sy3420 HW2

October 25, 2022

Homework - build a walk-forward testing harness

Copyright (c) 2022 RM Stein.

This version: 8-22-2002

Background

0.1 0.1 Business context

You are working on a trading desk and have been asked by a trader to evaluate whether a simple model can be used to make useful predictions about market direction.

0.2 0.2 Mandate

In order to demonstrate the robustness of your models (or highlight the lack thereof) you will need to build a walk-forward testing harness. The harness should include the following functions:

|df, new_df| a Pandas DataFrame containing the data to be modeled | NA |start | a date index value after which to start the walk-forward test | NA |date_col | the column index (integer or str) of the column in df that holds the date information for each row | NA |step size| the number of time units to move forward in each walk-forward step. | NA |model | a fitted model that can be used to make predictions. (This may, itself, be a function.) | NA |model list | a list of models, one for each walk-forward step, of length equal to the number of walk-forward steps NA stats list a list of statistics (possibly a list of lists or tupples), with one entry for each walk-forward step, of length equal to the number of walk-forward step NA | preproc_params | parameters used by preprocessor | NA | new | boolean indicating whether df should be used to estimate the parameters required by preproc predictions | a vector of predictions of the same length as the number of rows in new_df. If data record i cannot be processed (e.g., due to missing values or division by zero, etc.), predictions i should be set to np.nan | NA | preprocessor | a function that takes as input df containing raw data to be modeled; preproc_params, a list of preprocessing parameters if needed; and new, a flag indicating whether new parameters should be estimated | new_df, the preprocessed data to be modeled, preproc_params a list that is either empty or that contains any parameters estimated during preprocessing estimator | a function that takes as input df of data to be modeled, fitting_algo, a function that estimates the model; and est_params, any other arguments required. | a model object that can be read by predictor | predictor | a function that takes as input new_df containing raw data for which predictions should be generated; a model, a model object estimated by estimator, preprocessor, see above; and any other arguments required a vector containing one entry for each row in the data frame predictor_harness a function that takes in a raw data set and produces a dataset structured and formatted in the manner required by predictor | a vector containing one entry for each row in the data frame

```
[1114]: import pandas as pd
import numpy as np
[1115]: HWO1_SPX = pd.read_csv("HWO1_SPX.csv")
```

```
[1116]: HW01_SPX
                                                       Close
「1116]:
                             Open
                   Date
                                      High
                                                Low
                          1455.22
                                   1478.00
                                                     1455.22
        0
              2000-01-03
                                            1438.36
        1
              2000-01-04
                          1399.42
                                   1455.22
                                            1397.43
                                                     1399.42
        2
              2000-01-05
                          1402.11
                                   1413.27
                                            1377.68
                                                     1402.11
        3
              2000-01-06
                          1403.45
                                   1411.90
                                            1392.02
                                                     1403.45
        4
              2000-01-07
                          1441.47
                                   1441.47
                                            1400.53
                                                     1441.47
        5414
             2021-07-12
                          4372.41 4386.68
                                            4364.03 4384.63
        5415
             2021-07-13
                          4381.07
                                  4392.37
                                            4366.92
                                                     4369.21
        5416
             2021-07-14
                          4380.11
                                   4393.68
                                            4362.36
                                                     4374.30
        5417
              2021-07-15
                          4369.02
                                  4369.02
                                            4340.70
                                                     4360.03
        5418 2021-07-16
                          4367.43 4375.09
                                            4322.53 4327.16
        [5419 rows x 5 columns]
```

0.3 Requirements

- Please use statsmodels.api for your analysis.
- Please use the raw data from 1.1.1 of HW01 (HW01_Financial_Mathematics.ipynb) for your modeling.
- Please use the data prior to 07/17/2017 (July, 17) and assume that you will know the prior trading day's closing price before the next day's market open.
- Please ignore the effects of weekends and holidays on the returns and volatities.

0.4 Use 10.4 Helper functions

```
[776]: def progress_bar(k, n, incr_txt="Step", bar_len = 10):
           bar_char = u' u25A5'
           line char = u' \setminus u21E2' \# u' \setminus u2192' u' \setminus u23AF' u' \setminus u25AD'
           places = int(np.ceil(n/bar_len))
           pct
                  = k/n
           n_str = "{:,.0f}".format(n)
           k_str = "{:,.0f}".format(k)
           pct_str = "{:,.0f}%".format(k/n * 100)
           # d_format = "%" + str(places) + "d"
           if k == n-1:
               n_bars = bar_len
              n_spaces = 0
              text_txt = "Completed " + n_str + " " + incr_txt + "s."
           else:
               n_bars = int(np.floor(pct * bar_len))
               n_spaces = bar_len - n_bars
              text_txt = " " + pct_str + " (" + incr_txt + " " + k_str + " of " +
        bar_txt = "[" + "".ljust(n_bars,bar_char) + "".rjust(n_spaces,line_char) +
        ''] "
           clear_output()
           display(bar_txt + text_txt)
```

1 1 Model Building Phase

1.1 1.1 Preprocessing

1.1.1 1.1.1 Dependent variable (target feature)

1.1.1.1 Calculate the log returns for the Close (price) in the data, and print the quantiles of this new variable. Add this new variable to your data set.

```
[1117]: 0.25 -0.004724

0.50 0.000600

0.75 0.005813

1.00 0.109572

Name: LOG_RETURN, dtype: float64
```

1.1.1.2 Create a new variable positive_return_dummy that takes the value 1 if the return for the day is greater than 0 and 0 otherwise. This will be your dependent variable.

1.1.2 1.1.2 Independent variables

1.1.2.1 Create a new variables for the 30 day volatility of the returns, and print the quantiles of this new variable and print the quantiles. Add this new variable to your data set.

0.75 0.012904 1.00 0.054091

Name: 30_vol, dtype: float64

1.1.3 1.1.3 Time structure

1.1.3.1 Please shift your dependent variable by one day (as we did in 4.1 of HW01) so that the values of x_{t-1} of the independent variables are associated (in the same row as) the values of y_t (the dependent variable). Now please relabel all of your independent variables xxx_L01d, where xxx is the original name of the variable (e.g., Close would become Close_L01d). This will help us remember which variables were shifted forward go with which dates (i.e., the _L01d suffix reminds us that that variable represents the value as of the previous trading period.) Please print the head of your newly labeled dataframe.

```
[1122]: | HW01_SPX["positive_return_variable"] = HW01_SPX["positive_return_variable"].
          ⇔shift(1)
        HW01_SPX = HW01_SPX.add_suffix("_L01d")
[1123]:
        HW01 SPX
「1132]:
[1132]:
                                                   Low L01d
                                                              Close L01d LOG RETURN L01d
               Date L01d
                           Open_L01d High_L01d
        0
               2000-01-03
                              1455.22
                                          1478.00
                                                    1438.36
                                                                  1455.22
        1
               2000-01-04
                              1399.42
                                          1455.22
                                                    1397.43
                                                                  1399.42
                                                                                  -0.039099
        2
               2000-01-05
                              1402.11
                                          1413.27
                                                    1377.68
                                                                  1402.11
                                                                                   0.001920
        3
               2000-01-06
                              1403.45
                                          1411.90
                                                    1392.02
                                                                  1403.45
                                                                                   0.000955
                                          1441.47
        4
               2000-01-07
                              1441.47
                                                    1400.53
                                                                  1441.47
                                                                                   0.026730
                              4372.41
                                          4386.68
                                                    4364.03
                                                                 4384.63
                                                                                   0.003445
        5414
               2021-07-12
        5415
               2021-07-13
                              4381.07
                                          4392.37
                                                                                  -0.003523
                                                    4366.92
                                                                 4369.21
        5416
              2021-07-14
                              4380.11
                                          4393.68
                                                    4362.36
                                                                 4374.30
                                                                                   0.001164
        5417
               2021-07-15
                              4369.02
                                          4369.02
                                                    4340.70
                                                                 4360.03
                                                                                  -0.003268
        5418
                              4367.43
              2021-07-16
                                          4375.09
                                                    4322.53
                                                                 4327.16
                                                                                  -0.007568
               30_vol_L01d
                            positive_return_variable
        0
                       NaN
                                                   NaN
        1
                       NaN
                                                   0.0
        2
                       NaN
                                                   0.0
        3
                       NaN
                                                   1.0
        4
                       NaN
                                                   1.0
        5414
                  0.005431
                                                   1.0
        5415
                  0.005505
                                                   1.0
        5416
                  0.005495
                                                   0.0
        5417
                  0.005559
                                                   1.0
        5418
                  0.005720
                                                   0.0
```

1.1.4 1.2 Building a basic to toy model

1.1.5 1.2.1 Take 1

1.2.1.1 Please estimate a logit model in which the dependent variable is positive_return_dummy and your lagged variables are the previous day's 30 day volatility, the previous day's return, and the previous days' closing priceusingstatsmodels.api' and print the summary of the model. As an example, if you were using the formula version of the API and had imported statsmodels.api.formla as sm, your code might look like the following:

```
model = sm.logit(my_formula, data = df)
logit_model_sm = model.fit()
print(logit_model_sm.summary())
```

(Hint, you will find it much easier to do the modeling if you use statsmodels.api.formula version of the API, which allows you to try different variables and variable transformations in your model without creating a new dataframe, by using R-style formula. You can find a short tutorial on using statsmodels.api.formula here: https://www.statsmodels.org/dev/example_formulas.html. Once you get comfortable with the formula langauage, you can use it to create dataframes for other models (e.g., some of those in sklearn) by just writing the formula. Super handy.)

```
[879]: import statsmodels.api as sm
import statsmodels.formula.api as smf
```

```
[914]: HW01_SPX = HW01_SPX.dropna().reset_index(drop=True)
    y = HW01_SPX[["positive_return_variable"]]
    x = HW01_SPX[["30_vol_L01d", "Close_L01d", "LOG_RETURN_L01d"]]

log_reg = sm.Logit(y, x).fit()
```

Optimization terminated successfully.

Current function value: 0.688376

Iterations 4

```
[881]: log_reg.summary()
```

```
[881]: <class 'statsmodels.iolib.summary.Summary'>
```

```
Logit Regression Results
```

Dep. Variable: positive_return_vari

positive_return_variable No. Observations:

5389

Model:		Lo	ogit	Df Re	siduals:		
5386							
Method:			MLE	Df Mo	del:		
2							
Date:	7	Tue, 25 Oct 2	2022	Pseud	o R-squ.:		
0.002736							
Time:		09:10	6:22	Log-L	Log-Likelihood:		
-3709.7							
converged:		•	True	LL-Nu	11:		
-3719.8							
Covariance Type:		nonrol	bust	LLR p	-value:		
3.806e-05							
=======================================	:======		=====	=====	=======		:======
	coof	std err		7	P> z	[0 025	
0.975]	coei	sta ell		۷	F > Z	[0.025	
30_vol_L01d	-3.4229	3.161	-1.	083	0.279	-9.619	
2.773							
Close_L01d	0.0001	2.11e-05	5.	045	0.000	6.52e-05	
0.000							
LOG_RETURN_LO1d	-8.1171	2.233	-3.	634	0.000	-12.494	
-3.740							
=======================================							
===							
" " "							

1.2.1.2 Please examine the marginal effects of the variables in the model and print these out. (Hint: use the logit_model_sm.get_margeff.summary() method.)

[882]: print(log_reg.get_margeff().summary())

Logit	Marginal Ef	fects				
Dep. Variable: Method: At:	•					
0.975]	dy/dx	std err	z	P> z	[0.025	====
 30_vol_L01d 0.686 Close_L01d	-0.8476 2.639e-05	0.782 5.18e-06	-1.083 5.093	0.279	-2.381 1.62e-05	

```
3.65e-05
      LOG_RETURN_LO1d
                         -2.0100
                                       0.550
                                                 -3.652
                                                              0.000
                                                                         -3.089
      -0.931
      1.2.1.3 On average, if the lagged 30 day volatility were 1% higher (i.e., if vol were 10%,
      the higher value would be 11%) how much higher or lower would the probability of
      an upward move in prices be? From this summary, we can multiply by 1.01 or 0.01% with
      the vol 30 days. The probability would change by negative -0.8476.
      1.1.6 1.2.2 Take 2
      1.2.2.1 Now add Open_L01d to your model and print the summary and redo your logit
      regression.
[883]: import scipy
       from scipy import stats
[884]: y = HW01 SPX[["positive return variable"]]
       x = HW01_SPX[["30_vol_L01d", "Close_L01d", "LOG_RETURN_L01d", "Open_L01d"]]
       log_reg_1 = sm.Logit(y, x).fit()
      Optimization terminated successfully.
               Current function value: 0.688374
               Iterations 4
[885]: log_reg_1.summary()
[885]: <class 'statsmodels.iolib.summary.Summary'>
```

Logit Regression Results

Dep. Variable: positive_return_variable No. Observations:

5389

Model: Logit Df Residuals:

5385

Df Model: Method: MLE

3

Date: Tue, 25 Oct 2022 Pseudo R-squ.:

0.002739

Time: 09:16:35 Log-Likelihood:

-3709.6

converged: True LL-Null:

-3719.8

Covariance Type: 0.0001419		nonrol	oust LLR p	-value: 		
===	coef	std err	z	P> z	[0.025	
0.975] 						
30_vol_L01d 2.775	-3.4206	3.161	-1.082	0.279	-9.617	
Close_L01d 0.005	-0.0003	0.003	-0.109	0.913	-0.005	
LOG_RETURN_L01d -1.682	-7.7889	3.116	-2.500	0.012	-13.896	
Open_L01d 0.005	0.0004	0.003	0.151	0.880	-0.005	
===	=======	=======		=======		

1.2.2.2 Do you notice anything about the coefficients on Close_L01d and Open_L01d? What do you think could explain this? Compare the coefficient on Close_L01d to the one we got in *Take 1*, above. Coefficients on Close_L01d and Open_L01d are both very small. They are both small to a point where they are simillar.

The coefficient of a variable is interpreted as the change in response based on change in the corresponding explanatory variable. So adding Open_L01d had an influence on the coefficient of Close_L01d. The change in the criterion variable related with a change of one in the prediction variable when the rest of the other prediction variables are held constant.

Compared to the Close_L01d from Take 1, the coefficient is bigger.

1.1.7 1.2.3 Take 3

11 11 11

1.2.3.1 Now standardize the value of the 30 day volatility to create a new variable with a mean of zero and a standard deviation of 1, and print the quantiles. Save the mean and SD as vol_30d_mean and vol_30d_sd.

```
[887]: HW01_SPX
```

```
[887]:
              Date_L01d
                           Open_L01d
                                      High_L01d
                                                   Low_L01d
                                                              Close_L01d LOG_RETURN_L01d
                                                    1376.21
       0
              2000-02-15
                             1402.05
                                         1407.81
                                                                 1402.05
                                                                                  0.008675
       1
             2000-02-16
                             1387.67
                                         1404.72
                                                    1385.58
                                                                 1387.67
                                                                                 -0.010309
       2
             2000-02-17
                             1388.26
                                         1399.83
                                                    1380.07
                                                                 1388.26
                                                                                  0.000425
       3
             2000-02-18
                             1346.09
                                         1388.26
                                                    1345.29
                                                                 1346.09
                                                                                 -0.030847
       4
                             1352.17
              2000-02-22
                                         1358.11
                                                    1331.97
                                                                 1352.17
                                                                                  0.004507
                                                    4364.03
                                                                 4384.63
       5384
             2021-07-12
                             4372.41
                                         4386.68
                                                                                  0.003445
       5385
             2021-07-13
                             4381.07
                                         4392.37
                                                    4366.92
                                                                 4369.21
                                                                                 -0.003523
       5386
             2021-07-14
                             4380.11
                                         4393.68
                                                    4362.36
                                                                 4374.30
                                                                                  0.001164
       5387
              2021-07-15
                             4369.02
                                         4369.02
                                                    4340.70
                                                                 4360.03
                                                                                 -0.003268
             2021-07-16
                             4367.43
                                         4375.09
                                                                                 -0.007568
       5388
                                                    4322.53
                                                                 4327.16
             positive_return_variable_L01d
                                                30_vol_L01d
                                                              positive_return_variable
       0
                                          1.0
                                                   0.014976
                                                                                     1.0
       1
                                          1.0
                                                   0.013294
                                                                                     1.0
       2
                                          0.0
                                                   0.013289
                                                                                    0.0
       3
                                          1.0
                                                   0.014404
                                                                                     1.0
       4
                                          0.0
                                                   0.013448
                                                                                    0.0
       5384
                                          1.0
                                                   0.005431
                                                                                     1.0
                                          1.0
                                                                                     1.0
       5385
                                                   0.005505
       5386
                                          0.0
                                                   0.005495
                                                                                    0.0
       5387
                                          1.0
                                                   0.005559
                                                                                     1.0
       5388
                                          0.0
                                                   0.005720
                                                                                    0.0
             30_vol_std
       0
                0.655142
       1
                0.409056
       2
                0.408216
       3
                0.571462
       4
                0.431507
               -0.741654
       5384
       5385
               -0.730831
       5386
               -0.732314
       5387
               -0.722969
       5388
               -0.699332
```

1.2.3.2 Please estimate a logit model in which the dependent variable is positive_return_dummy and your lagged variables are the previous day's standardied 30 day volatility (from the previous question), and previous day's return using statsmodels and print the summary of the model.

[5389 rows x 10 columns]

```
[888]: y = HW01_SPX[["positive_return_variable"]]
     x = HW01_SPX[["30_vol_std","LOG_RETURN_L01d"]]
     log_reg_1 = sm.Logit(y, x).fit()
     log_reg_1.summary()
    Optimization terminated successfully.
           Current function value: 0.691693
            Iterations 4
[888]: <class 'statsmodels.iolib.summary.Summary'>
                            Logit Regression Results
     _______
     Dep. Variable: positive_return_variable No. Observations:
     5389
     Model:
                                   Logit Df Residuals:
     5387
     Method:
                                    MLE
                                        Df Model:
     Date:
                          Tue, 25 Oct 2022 Pseudo R-squ.:
     -0.002069
     Time:
                                09:16:41 Log-Likelihood:
     -3727.5
     converged:
                                   True LL-Null:
     -3719.8
     Covariance Type:
                               nonrobust LLR p-value:
                      coef std err z P>|z| [0.025]
     0.975]
     ______
     30_vol_std -0.0524 0.028 -1.900 0.057 -0.107
     0.002
     LOG_RETURN_L01d -7.6910 2.225 -3.457 0.001
                                                       -12.052
     -3.330
     11 11 11
```

1.2.3.3 Please save the coefficients of this model.

```
[889]: vol_30_standardized_coef = -0.0524
LOG_RETURN_LO1d_coef = -7.6910
```

1.2 1.3 Validating the model (a teeny bit)

1.2.1 1.3.1 Data prep

1.3.1.1 Please preprocess your test data set and print the head of the final dataframe.

```
[1134]: test = HW01_SPX[4412:].reset_index(drop=True)

#I had to reindex because statsmodel couldn't interpret data without reindexing

#but the result should not be affected
```

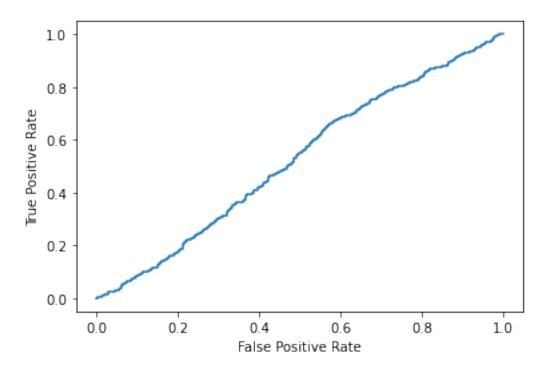
1.3.1.2 Please use the xxx.predict(X) method (where xxx is the model from 1.2.3.2) to produce a vector of predictions based on the new data. Create a new dataframe made up of a column of the actual value for the dependent variable, and a column for your model's predicted probability (of an up move). Print the head of the new data frame.

```
[890]: pred = log_reg_1.predict()
       pred_1 = pd.DataFrame(pred)
       pred_1["positive_return_variable"] = ___
        →HW01_SPX[["positive_return_variable_L01d"]].reset_index(drop=True)
      pred_1 = pred_1.rename(columns={0:"prob"})
[891]:
[892]: pred_1
[892]:
                 prob
                       positive_return_variable
       0
             0.474752
                                             1.0
       1
             0.514455
                                             1.0
       2
             0.493831
                                             0.0
       3
             0.551633
                                             1.0
       4
             0.485681
                                             0.0
       5384 0.503100
                                             1.0
       5385 0.516350
                                             1.0
       5386 0.507363
                                             0.0
       5387 0.515757
                                             1.0
       5388 0.523702
                                             0.0
       [5389 rows x 2 columns]
[625]: pred_1.columns
[625]: Index(['prob', 'positive_return_variable'], dtype='object')
```

1.3

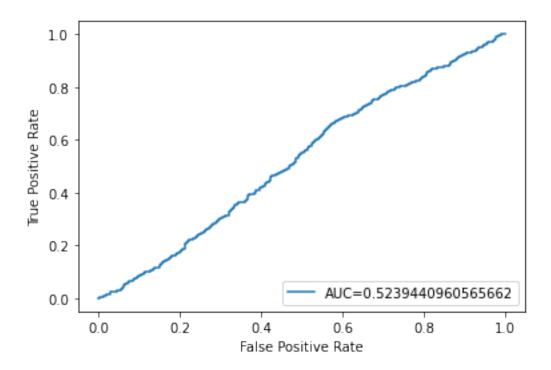
1.3.1.3 Calculate the area under the ROC for your model on the test data. (you may use sklearn for this) and print your result.

```
[893]: from sklearn import svm, datasets
       from sklearn.metrics import roc curve, auc
       from sklearn.model_selection import train_test_split
       from sklearn.preprocessing import label_binarize
       from sklearn.multiclass import OneVsRestClassifier
       from sklearn.metrics import roc_auc_score
       from sklearn import metrics
       from sklearn.linear_model import LogisticRegression
       import matplotlib.pyplot as plt
[894]: | # positive_values = pred_1[pred_1["positive_return_variable"] > 0]
       # sort = positive_values.sort_values(by = ["prob"])
       # X = sort["prob"]
       # Y = sort["positive_return_variable"]
       # # sklearn.metrics.auc(X, Y)
       # fpr, tpr, thresholds = metrics.roc_curve(Y, X, pos_label=2)
[895]: X = np.array(pred_1["prob"])
       y = np.array(pred 1["positive return variable"])
       X_train, X_test, y_train, y_test = train_test_split(X,y,test_size=0.33,_
        →random_state=1)
[896]: clf_reg = LogisticRegression()
       clf_reg.fit(X_train.reshape(-1, 1), y_train)
[896]: LogisticRegression()
[897]: plt.plot(fpr,tpr)
       plt.ylabel('True Positive Rate')
       plt.xlabel('False Positive Rate')
       plt.show()
```



```
[898]: y_pred_proba = clf_reg.predict_proba(X_test.reshape(-1, 1))[::,1]
fpr, tpr, _ = metrics.roc_curve(y_test, y_pred_proba)
auc = metrics.roc_auc_score(y_test, y_pred_proba)

#create ROC curve
plt.plot(fpr,tpr,label="AUC="+str(auc))
plt.ylabel('True Positive Rate')
plt.xlabel('False Positive Rate')
plt.legend(loc=4)
plt.show()
```



2 2 Building the components of the harness

2.1 2.1 Coding

2.1.1 2.1.1 preprocessor

2.1.1.1 Please use your code from 1.1 to write your preprocessor function. Please test your code on the training sample to confirm that it produces the same results as in 1.3.1.1. Make sure to match the specs given in 0.2.

```
[996]: # HW01_SPX[HW01_SPX["Date_L01d"] == "2017-07-17"]
    train = HW01_SPX[:4411].reset_index(drop=True)
    #I had to reindex since the statsmodel couldn't interpret default indexing

[1135]: def preprocessor(df, preproc_params = {}, new = True):
    new_df = pd.DataFrame(df)
    preproc_params = {"mean":new_df.mean(), "standard deviation": new_df.std()}
    return(pd.DataFrame(new_df), preproc_params)
```

```
[1136]: preprocessor(test)
```

/Users/seonhyeyang/anaconda3/lib/python3.7/sitepackages/ipykernel_launcher.py:3: FutureWarning: Dropping of nuisance columns in DataFrame reductions (with 'numeric_only=None') is deprecated; in a future version this will raise $\ensuremath{\mathsf{TypeError}}.$ Select only valid columns before calling the reduction.

This is separate from the ipykernel package so we can avoid doing imports ${\tt until}$

[1136]: (Date_L01d	Open_L01d	High_L01d	Low_L01d	Close_L01d	LOG_RETURN_LO1d
\						
0	2017-07-18		2460.92		2460.61	0.000598
1	2017-07-19	2463.85	2473.83	2463.85	2473.83	
2	2017-07-20	2475.56	2477.62	2468.43	2473.45	
3	2017-07-21		2472.54		2472.54	
4	2017-07-24	2472.04	2473.10	2466.32	2469.91	-0.001064
		 4270 41		 4264 02	1201 62	
1002 1003		4372.41	4386.68		4384.63 4369.21	0.003445 -0.003523
1003			4392.37 4393.68	4366.92 4362.36	4309.21	
1004			4393.00		4360.03	
1005		4367.43	4309.02		4300.03	
1000	2021-07-10	4307.43	4373.09	4322.33	4327.10	-0.007508
	30_vol_L01d	positive_	return_vari	able		
0	0.004505			0.0		
1	0.004556			1.0		
2	0.004554			1.0		
3	0.004557			0.0		
4	0.004560			0.0		
•••	•••		•••			
1002				1.0		
1003				1.0		
1004				0.0		
1005				1.0		
1006	0.005720			0.0		
[100	7 rows x 8 co	lumns],				
{'mea	an': Open_L01	d	30	58.035919		
Hig	h_L01d		3074.22105	3		
Low	Low_L01d		3040.41434	:0		
Clos	Close_L01d		3058.51046	7		
LOG	LOG_RETURN_LO1d		0.00056	1		
30_ ⁻	30_vol_L01d			1		
pos	positive_return_variable			1		
dty	pe: float64,					
'sta	andard deviat	ion': Open_	L01d		487.561715	
Hig	High_L01d			1		
Low	Low_L01d		487.116147			
	Close_L01d		488.376168			
LOG	_RETURN_L01d		0.013241			
30_	vol_L01d		0.008463			

positive_return_variable 0.495733

dtype: float64})

[979]: type(train)

[979]: pandas.core.frame.DataFrame

2.1.1.2 Please test your preprocessor code on the training sample to confirm that it produces the same results as in 1.3.1.1.

[1000]: preprocessor(train)

/Users/seonhyeyang/anaconda3/lib/python3.7/site-packages/ipykernel_launcher.py:3: FutureWarning: Dropping of nuisance columns in DataFrame reductions (with 'numeric_only=None') is deprecated; in a future version this will raise TypeError. Select only valid columns before calling the reduction.

This is separate from the ipykernel package so we can avoid doing imports until

[1000]: (Date_L01d	Open_L01d	High_L01	d Low_L01d	Close_L01d	LOG_RETURN_LO1d
\							
0		2000-02-15	1402.05	1407.8	1 1376.21	1402.05	0.008675
1		2000-02-16	1387.67	1404.7	2 1385.58	1387.67	-0.010309
2		2000-02-17	1388.26	1399.8	3 1380.07	1388.26	0.000425
3		2000-02-18	1346.09	1388.2	6 1345.29	1346.09	-0.030847
4		2000-02-22	1352.17	1358.1	1 1331.97	1352.17	0.004507
•••		•••	•••	•••			•••
44	106	2017-08-21	2425.50	2430.5	8 2417.35	2428.37	0.001162
44	107	2017-08-22	2433.75	2454.7	7 2433.67	2452.51	0.009892
44	108	2017-08-23	2444.88	2448.9	1 2441.42	2444.04	-0.003460
44	109	2017-08-24	2447.91	2450.3	9 2436.19	2438.97	-0.002077
44	10	2017-08-25	2444.72	2453.9	6 2442.22	2443.05	0.001671
		nositive re	turn variah	le I01d	30 vol 101d	nositive re	turn_variable \
0		Poblicito_io	ourn_variab	1.0	0.014976	poblulio_re	1.0
1				1.0	0.013294		1.0
2				0.0	0.013289		0.0
3				1.0	0.013203		1.0
4				0.0	0.013448		0.0
7				0.0			0.0
 4.4	106			0.0	 0.004939		0.0
	107			1.0	0.005254		1.0
	107 108			1.0	0.005254		1.0
	109			0.0	0.005133		0.0
44	10			0.0	0.005065		0.0

```
30_vol_std
        0.655142
0
1
        0.409056
2
        0.408216
3
        0.571462
4
        0.431507
4406
      -0.813637
       -0.767518
4407
4408
       -0.785467
4409
       -0.785285
4410
       -0.795165
[4411 rows x 10 columns],
{'mean': Open_L01d
                                            1413.076844
High_L01d
                                   1421.509587
Low_L01d
                                   1404.054917
Close_L01d
                                   1413.301406
LOG_RETURN_LO1d
                                      0.000128
positive_return_variable_L01d
                                      0.530719
30_vol_L01d
                                      0.010516
positive_return_variable
                                      0.530719
30_vol_std
                                      0.002529
dtype: float64,
 'standard deviation': Open_L01d
                                                          404.004636
High_L01d
                                   403.734603
Low_L01d
                                   404.208001
Close_L01d
                                   404.130584
LOG_RETURN_LO1d
                                     0.012229
positive_return_variable_L01d
                                     0.499112
 30_vol_L01d
                                     0.006399
positive_return_variable
                                     0.499112
 30_vol_std
                                     0.936392
dtype: float64})
```

2.1.2 2.1.2 estimator

2.1.2.1 Please use your code in 1.2.3 to write the function estimator. Make sure to match the specs given in 0.2. One way to do this is to create a harness function for your estimation, e.g.,

```
def my_estimation_fn(df):
   import import statsmodels.formula.api as smf

f = 'y ~ x1 + x2 + x3
   model_ols = sm.ols(f, data=df).fit(disp=0)
   return(model_ols)
```

Of course there are more elegant approaches to acomplishing this that would be more extensible, and you can experiment with these when you have the time.

```
[949]: def estimator(df, fitting_algo, est_params = {}):
    import statsmodels.api as sm

y = (df[["positive_return_variable"]])
    x = (df[["30_vol_std","LOG_RETURN_LO1d"]])
    log_reg_1 = sm.Logit(y, x).fit()
    model = log_reg_1
    return(model)
```

2.1.2.2 Please test your code on the training sample to confirm that it produces the same results as in 1.2.3.

```
[950]: Logit = sm.Logit(y, x)
estimator(train, Logit)
```

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

2.1.3 2.1.3 predictor

2.1.3.1 Please use your code from 1.3.1.2 to write the function predictor. Make sure to match the specs given in 0.2.

```
[944]: def predictor(new_df, model):
    import statsmodels.api as sm

y = new_df[["positive_return_variable"]]
    x = new_df[["30_vol_std","LOG_RETURN_LO1d"]]

log_reg_1 = sm.Logit(y, x).fit()
    predictions = log_reg_1.predict()
    return(predictions)
```

2.1.3.2 Please test your predictor function using the training data and confirm that the results match your previous results.

```
[945]: Logit = sm.Logit(y, x) predictor(train, Logit)
```

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

```
[945]: array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143])
```

2.1.4 2.1.4 predictor_harness

2.1.4.1 Please write the function predictor_harness. Make sure to match the specs given in **0.2.** This harness will take in a dataframe, a model and some preprocessing function (as well as any additional arguments you may require) and produce a vector of predictions of the same length as the number of rows in the dataframe.

```
[]: def predictor_harness(new_df, model, preprocessor, preproc_params = {}):
    new_df = df
    y = new_df[["positive_return_variable"]]
    x = new_df[["30_vol_L01d_standardized","LOG_RETURN_L01d"]]

model = sm.Logit(y, x).fit()

return(predictions)
```

2.1.5 2.1.5 walk_forward_harness

2.1.5.1 Please write your walk_forward_harness function. Be sure to match the specs given in 0.2. This is the main function you will be calling to test your model.

```
[1104]: def walk_forward_harness(df, preprocessor, estimator, predictor,
                                  start, date_col = 'Date', step_size = 1):
            from sklearn.metrics import roc_auc_score as AUC
            predictions = []
            model list = []
            stats_list = []
            y_1 = "positive_return_variable"
            x_1 = [["30_vol_std","LOG_RETURN_LO1d"]]
            new_df = df
            start_split = new_df[new_df[date_col+'_L01d'] == start].index[0]
            split = start_split
            while split < len(new_df):</pre>
                #estimation
                train = new_df.iloc[:split]
                test = new_df.iloc[split:]
                y = new_df[["positive_return_variable"]]
                x = new_df[["30_vol_std","LOG_RETURN_LO1d"]]
```

2.2 Validation (a little bit)

2.2.1 2.2.1 SW testing

2.2.1.1Please test your walk_forward_harness function You may wish to include the progress_bar function at the beginning of the notebook to provide feedback since w.f. analysis can be very time consuming.

```
[989]: HW01_SPX=HW01_SPX.reset_index(drop=True)

[1002]: e = estimator(train, Logit)
```

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

.....

[1003]: preprocessor=preprocessor(train)
walk_forward_harness(HWO1_SPX)

/Users/seonhyeyang/anaconda3/lib/python3.7/site-packages/ipykernel_launcher.py:3: FutureWarning: Dropping of nuisance columns in DataFrame reductions (with 'numeric_only=None') is deprecated; in a future version this will raise TypeError. Select only valid columns before calling the reduction.

This is separate from the ipykernel package so we can avoid doing imports until

```
[1053]: p = predictor(train, Logit)
```

Optimization terminated successfully.

Current function value: 0.691500

[1105]: walk_forward_harness(train, preprocessor, e, p, "2000-02-15", "Date") Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully. Current function value: 0.691500 Iterations 4 Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Tterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Tterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Tterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Tterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500 Iterations 4

iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Tterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500
Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Tterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Tterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Tterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully. Current function value: 0.691500 Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Tterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Tterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500 Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

Current function value: 0.691500

Iterations 4

Optimization terminated successfully.

```
Iterations 4
Optimization terminated successfully.
         Current function value: 0.691500
         Iterations 4
Optimization terminated successfully.
         Current function value: 0.691500
         Iterations 4
Optimization terminated successfully.
         Current function value: 0.691500
         Iterations 4
Optimization terminated successfully.
         Current function value: 0.691500
         Iterations 4
Optimization terminated successfully.
         Current function value: 0.691500
         Iterations 4
Optimization terminated successfully.
         Current function value: 0.691500
         Iterations 4
Optimization terminated successfully.
         Current function value: 0.691500
         Iterations 4
Optimization terminated successfully.
         Current function value: 0.691500
         Iterations 4
Optimization terminated successfully.
         Current function value: 0.691500
         Iterations 4
Optimization terminated successfully.
         Current function value: 0.691500
```

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691500

Current function value: 0.691500

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

```
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
```

- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

```
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
```

- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

```
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
```

- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

```
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
```

- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

```
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
```

- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
```

array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
```

array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
```

- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653 , ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513, 0.50739143]),
- array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,

```
0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]).
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]).
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
array([0.47247108, 0.51637144, 0.4934653, ..., 0.51820777, 0.51525513,
       0.50739143]),
...],
[<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4662fe10>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf459f2810>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4661f150>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf44a0a750>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf44a0fcd0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf44a0ff10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf44a0f650>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf44a0f950>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf449f4d90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf449f4550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf449f4b50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4661ffd0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf449f44d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf449f43d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf444053d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf449f4dd0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf45560810>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf51e218d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf51e21250>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4482e110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf51e21190>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf45da7bd0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf45da7990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf45da7290>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf45566a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf45da2790>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf45da2650>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf45da2a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf44833e10>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf45626350>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf45da2050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf45531990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf45531f10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf44828690>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf45555c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4483cb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf45555a50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4482dcd0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4483e190>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4484ac10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4484ca50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf44842110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf466030d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46603390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf46603710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46603d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465cb0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465cb210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465cb550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465cb8d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf465cbc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465e00d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf465e0390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465e0710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465e0a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465c0090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465c0210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465c0550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465c08d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465c0c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465e60d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465e6390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465e6710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465e6a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465b7090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465b7210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465b7550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf465b78d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf465b7c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf466520d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46652390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46652710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46652a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46635110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46635310>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46635550>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf466358d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf46635c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4666f0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4666f390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4666f710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4666fa90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46660090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46660210>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf46660550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf466608d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46660c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf466650d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46665390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf46665710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46665a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46647090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46647210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46647550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf466478d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf46647c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf479f90d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf479f9390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf479f9710>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf479f9a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a03050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a03210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a03550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a038d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a03c50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf47a0e210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a0e390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a0e710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a0ea90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a19090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a19210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a19550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a198d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a19c50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf47a220d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a22390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a22710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a22a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a2d090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a2d210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a2d550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a2d8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47a2df50>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ec1150>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf47ec11d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ec1710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ec1a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47eca090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47eca210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47eca550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47eca8d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf47ecac50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ed60d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ed6390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ed6710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ed6a90>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf47ede090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ede210>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf47ede550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ede8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47edec50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47eea0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47eea390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47eea710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47eeaa90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ef5050>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf47ef5210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ef5550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ef58d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf47ef5c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483b30d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483b3390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf483b3710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483b3a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483be090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483be210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483be550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483be8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483bec50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483c90d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483c9390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf483c9710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483c9a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483d4090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483d4210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483d4550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483d48d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483d4c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483df0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483df390>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483df710>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf483dfa90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483eb090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483eb210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483eb290>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483eb850>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf483ebc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488b30d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf488b3390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488b3710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488b3a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488bd090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488bd210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488bd550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488bd8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488bdc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488c90d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488c9390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488c9710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488c9a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488d3090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488d3210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488d3550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf488d38d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488d3c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488df0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488df390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488df710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488dfa90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488ea090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488ea210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488ea550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488ea8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf488eac50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d5a0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d5a390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d5a710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d5aa90>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf48d64090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d64210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d64550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d648d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d64c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d700d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d70390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d70710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d70a90>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d7a090>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf48d7a210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d7a550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d7a8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d7ac50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d860d0>,
<statsmodels.discrete_discrete_model.BinaryResultsWrapper at 0x7fdf48d86390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d86710>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf48d86e10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d90110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d90310>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d90550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d908d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf48d90c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4924d210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4924d390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4924d710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4924da90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49256090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49256210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49256550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf492568d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49256c50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf492620d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49262390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49262710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49262a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4926d090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4926d210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4926d550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4926d8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4926dc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf492760d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49276390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49276710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49276a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49282090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49282210>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf49282550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf492828d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49282c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4928c0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4928c390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4928c710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4928ca90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4972a090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4972a210>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4972a550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4972a8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4972ac50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf497340d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49734390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49734710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49734ad0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4973d0d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4973d210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4973d550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4973d8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4973dc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf497480d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf49748390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49748710>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf49748a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49753050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49753210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49753550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf497538d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49753c50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4975d0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4975d390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4975d710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4975da90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49bf3090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49bf3210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49bf3550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49bf38d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf49bf3c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49bfd0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49bfd390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49bfd710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49bfda90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49c08090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49c08210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49c08550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49c088d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf49c08c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49c130d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49c13390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49c13710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49c13a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49c1e090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49c1e210>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf49c1e550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49c1e8d0>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf49c1eed0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4a087210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a087390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a087710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a087c90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a08f0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a08f210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a08f550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4a08f8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a08fc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0980d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a098390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a098710>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4a098a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0a5090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0a5210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0a5550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0a58d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0a5c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0ae0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0ae390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0ae710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0aea90>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4a0ba090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0ba210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0ba550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0ba8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0bac50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0c50d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4a0c5390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0c5710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a0c5a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a583090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a583210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5837d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5838d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a583c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a58e0d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4a58e390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a58e710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a58ea90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a596050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a596210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a596550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5968d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a596c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5a1110>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5a1390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4a5a1710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5a1a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5ad090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5ad210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5ad550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5ad8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5adc50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4a5b80d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5b8390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5b8710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4a5b8a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa76090>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4aa76210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa76550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4aa768d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa76c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa810d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa81390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa81710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa81a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa8c090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa8c210>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4aa8c550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa8c8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa8cc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa970d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa97390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aa97710>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4aa97a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aaa2090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aaa2210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aaa2550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aaa28d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aaa2c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aaad0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aaad390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4aaad710>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4aaada90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af15090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af15550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af153d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af15810>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af15c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af1f0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af1f390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af1f710>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af1fa90>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4af2b090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af2b210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af2b550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af2b8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af2bc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af370d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af37390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af37710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af37a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af41090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af41210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af41550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af418d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4af41c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3ab0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3ab390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3ab710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3abd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3b4090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3b4210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3b4550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3b48d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4b3b4c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3bf0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3bf390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3bf710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3bfa90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3c9090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3c9210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3c9550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3c98d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3c9c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3d50d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3d5390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3d5710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3d5a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3e0090>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4b3e0210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3e0810>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3e08d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3e0b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3e90d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3e9390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3e9990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b3e9a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8a8090>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8a8210>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4b8a8550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8a88d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8a8c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8b4210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8b4390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8b4710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8b4a90>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4b8be090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8be210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8be550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8be8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8bec50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8c90d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8c9390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8c9710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8c9a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8d4090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8d4210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8d4550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8d48d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4b8d4c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd3d0d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4bd3d390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd3d710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd3da90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd47090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd47210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd47550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd478d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd47c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd520d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd52390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd52710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd52a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd5e090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd5e210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd5e750>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4bd5e790>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd5ec50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd670d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd67390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd67710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd67a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd71090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd71210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd71550>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd718d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4bd71c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd7b0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd7b390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd7b710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4bd7ba90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c23b090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c23b210>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4c23b550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c23b8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c23bc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c2450d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c245390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4c245710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c245a90>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4c251090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c251210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c251550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c2518d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c251c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c25c0d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4c25c390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c25c710>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4c25ca90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c269050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c269210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c269550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c2698d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c269c50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4c6d00d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6d0390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6d0710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6d0a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6db090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6db250>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6db610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6db990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6dbc50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4c6e50d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6e5390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6e5710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6e5a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6f0090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6f0210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6f0550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6f08d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6f0c50>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6fb210>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4c6fb390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6fb710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c6fba90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c705090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c705210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c705550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c7058d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4c705c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cb980d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cb98390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cb98710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cb98a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cba4090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cba4210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cba4550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cba48d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cba4c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbaf0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbaf390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbaf710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbafa90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbba090>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4cbba050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbba590>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbba7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbbac50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbc30d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbc3390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4cbc3710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbc3a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbce090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbce1d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbce550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbce8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4cbcec50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d0610d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d061390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4d061710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d061a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d06e090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d06e210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d06e550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d06e8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d06ec50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d0780d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d078390>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d078710>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4d078a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d084050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d084210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d084550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d0848d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d084c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d08e0d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4d08e390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d08e710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d08ea90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d099050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d099210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d099550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d0998d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d099c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d5450d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d545390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d545710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d545a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d550090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d550250>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d550550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4d550990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d550ad0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d5580d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d558390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d558710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d558a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d563090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d563210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d563550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d5638d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d563c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d56e0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d56e390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d56e710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d56ea90>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4d579090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d579210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d579550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d5798d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4d579c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da0d0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da0d610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da0d710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da0da90>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da19090>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4da19210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da19550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da198d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da19c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da230d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da23390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da23710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da23a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da2e090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da2e210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da2e550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da2e8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da2ec50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da3a0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da3a390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da3a710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da3ad10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da42090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da42050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da42790>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da42a10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4da42bd0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4dead0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4dead390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4dead710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4deadd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4deb6090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4deb6210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4deb6550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4deb68d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4deb6c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4dec10d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4dec1390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4dec1710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4dec1a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4decb090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4decb210>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4decb550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4decb8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4decbc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ded60d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ded6390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ded6710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ded6a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4dee1090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4dee1210>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4dee1550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4dee18d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4dee1c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3a20d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3a2390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3a2710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3a2a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3ab050>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4e3ab210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3ab550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3ab8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3abc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3b80d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3b8390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3b8710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3b8b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3c00d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3c0210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3c0550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3c08d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3c0c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3cb0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3cb390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4e3cb710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3cba90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3d5090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3d5210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3d5550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3d58d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e3d5c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e83f0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e83f390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e83f710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e83fa90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e84a090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e84a210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e84a550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e84a8d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4e84ac50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e8560d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e856390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e856710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e856a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e860090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e860210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e860550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e8608d0>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e860c50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4e86b210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e86b390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e86b710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e86ba90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e875090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e875210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e875550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4e8758d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4e875c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed000d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed00390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed00710>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4ed00a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed0a110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4ed0a310>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed0a550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed0a8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed0ac50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed130d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed13390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4ed13710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed13a90>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4ed20050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed20210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed20550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed208d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed20c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed290d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4ed29390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed29710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed29a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed350d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed35210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed35550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed358d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4ed35c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1ca0d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4f1ca390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1ca710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1caa90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1d4050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1d4210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1d4550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1d48d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4f1d4c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1e00d0>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1e0390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4f1e0710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1e0a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1ea090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1ea210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1ea550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1ea8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1eac50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4f1f40d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1f4390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1f4710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f1f4a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f200090>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4f200250>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f200550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4f2007d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f200c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f66f0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f66f390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f66f710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f66fa90>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4f67c090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f67c210>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4f67c550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f67c8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f67cc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f685050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f685390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f685710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f685a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f691090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f691210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f691550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f6918d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f691c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f69d0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f69d390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f69d710>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4f69da90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f6a7090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f6a7210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f6a7550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f6a78d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4f6a7c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb3a210>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4fb3a390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb3a710>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb3aa90>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4fb44090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb44210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb44550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb448d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb44c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb500d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb50390>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4fb50710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb50a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb5b090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb5b210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb5b550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb5bad0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb5b910>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb650d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb65390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb65710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb65a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb71090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb71210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb71550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf4fb718d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf4fb71c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf500030d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50003390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50003710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50003a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5000d090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5000d210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5000d550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5000d8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5000dc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf500180d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50018390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50018710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50018a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50023090>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf50023210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50023550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf500238d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50023c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5002f0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5002f390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5002f710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5002fa90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50039090>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50039210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50039550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf500398d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50039c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504ce0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504ce390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504ce710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504cea90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504da090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504da210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504da690>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504daa10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504dabd0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504e20d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504e2390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504e2710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504e2a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504ed090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504ed210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504ed550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504ed8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504edc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504f80d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf504f8390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504f8710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf504f8a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50502090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50502210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50502550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf505028d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50502c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509970d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50997390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50997710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf50997a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509a0090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509a0210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509a0550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf509a08d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509a0c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509ad0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509ad390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509ad710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509ada90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509b7090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509b7210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509b7550>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509b78d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf509b7c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509c30d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509c3390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509c3710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509c3a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509cd090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509cd250>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf509cd550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509cd710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf509cdc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cf830d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cf83390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cf83710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cf83a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cf8d090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cf8d210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cf8d550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cf8d8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cf8dc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cf990d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cf99390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cf99710>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf5cf99a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfa2090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfa2210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfa2550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfa28d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfa2c50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfaf0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfaf390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfaf710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfafa90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfb9090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfb9210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfb9550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfb98d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5cfb9c50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdf5d3dd210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3dd390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3dd710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3dda90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3e7090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3e7210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3e7550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3e78d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3e7c50>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3f10d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3f1390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3f1710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3f1a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3fd090>,
<statsmodels.discrete_model.BinaryResultsWrapper at 0x7fdf5d3fd0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3fd550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3fd710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d3fdc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d4060d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d406390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d406710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d406a90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d40f090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d40f210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d40f550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d40f8d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5d40fc50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5de6d0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5de6d390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5de6d990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5de6da90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5de7a090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5de7a210>,
<statsmodels.discrete_model.BinaryResultsWrapper at 0x7fdf5de7a550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5de7a8d0>,
<statsmodels.discrete_model.BinaryResultsWrapper at 0x7fdf5de7ac50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5de840d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5de84390>,
<statsmodels.discrete_discrete_model.BinaryResultsWrapper at 0x7fdf5de84710>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdf5de84a90>,
...])
```

2.2.2 Model performance

Please produce the following exhibits:

2.2.2.1 An ROC curve and AUC for all walk-forward predictions

[1112]:

2.2.2.2 An ROC curve and AUC for walk-forward predictions on days when the (previous day's) 30 day volatility was above (below) the median in the training data.

2.2.2.3 A line plot showing the coefficient on the variable 30 day volatility for each step of the walk-forward analysis

[]:

2.2.3 One more thing...

2.2.3.1 In your own words, please describe why walk-forward analysis is useful? Give an example of a scenario in which you would use it? When would it be wise to steer clear of using walkforward analysis. A walk forward analysis is useful because optimisations can give some insight of the future. A walk forward analysis is a way for testing trading strategy by finding the optimal trading parameters in specific time period, either in cample or training data. Then we check the performance of the parameters in specific periods of time.

For example, lets say a company wants to trade a certain crypto currency. They can use walk forward optimization to find optimal trading parameters in a given specific period and check the performance (lets say performance is measured by price) of the parameters in the following time period.

2.3 Extra Credit* (not required)

2.3.1 2.3.1Flexing with more modeling tricks

2.3.1.1 See if you can build a model that performs better in walk-forward analysis than your logit model did. You may use additional tranformations and additional variables from the data set or that you have created from the current variables in the data set; and you may use other algorithms such as recursive partitioning, Naive Bayes, etc.

```
[1149]: def walk forward harness 1(df, preprocessor, estimator, predictor,
                                  start, date_col = 'Date', step_size = 1):
            from sklearn.metrics import roc_auc_score as AUC
            import numpy as np
            predictions = []
            model_list = []
            stats_list = []
            y_1 = "positive_return_variable"
            x_1 = [["30_vol_std","LOG_RETURN_LO1d"]]
            new df = df
            start_split = new_df[new_df[date_col+'_L01d']==start].index[0]
            split = start_split
            while split < len(new_df):</pre>
                #estimation
                train = new_df.iloc[:split]
                test = new_df.iloc[split:]
```

```
y = new_df[["positive_return_variable"]]
                x = new_df[["LOG_RETURN_LO1d"]]
                log_reg_1 = sm.Logit(y, x).fit()
                model_list.append(log_reg_1)
        #
                  Prediction
                pred = log_reg_1.predict()
                predictions.append(pred)
                #Statistic
                r = test[y_1]
                stats_list.append(AUC(r,pred))
                split += step_size
            return(predictions, model_list, stats_list)
[1150]: walk_forward_harness_1(train, preprocessor, e, p, "2000-02-15", "Date")
       Optimization terminated successfully.
                Current function value: 0.691826
                Iterations 4
       Optimization terminated successfully.
                Current function value: 0.691826
                Iterations 4
       Optimization terminated successfully.
                Current function value: 0.691826
                Iterations 4
       Optimization terminated successfully.
                Current function value: 0.691826
                Iterations 4
       Optimization terminated successfully.
                Current function value: 0.691826
                Iterations 4
       Optimization terminated successfully.
                Current function value: 0.691826
                Iterations 4
       Optimization terminated successfully.
                Current function value: 0.691826
                Iterations 4
       Optimization terminated successfully.
                Current function value: 0.691826
                Iterations 4
       Optimization terminated successfully.
                Current function value: 0.691826
```

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

10014010110

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

1001a01ons 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully. Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization}\ {\tt terminated}\ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

. . .

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

10014010110 1

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

1001d010Hb 1

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

1001G010HD 1

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

TUELUUIONS T

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

I CET ACTORS 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826
Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization} \ {\tt terminated} \ {\tt successfully}.$

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Current function value: 0.691826 Iterations 4

Optimization terminated successfully.

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

 ${\tt Optimization\ terminated\ successfully.}$

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Current function value: 0.691826

Iterations 4

Optimization terminated successfully.

Iterations 4 Optimization terminated successfully. Current function value: 0.691826 Iterations 4 [1150]: ([array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]),array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]),array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]), array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 , 0.49646084]),array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,

Iterations 4

Optimization terminated successfully.

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
```

```
0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
```

```
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397
       0.49646084]),
array([0.4816395 , 0.52181589, 0.4990999 , ..., 0.50732503, 0.504397 ,
       0.49646084]),
...],
[<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeb9fd9f90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1cf690>,
<statsmodels.discrete_model.BinaryResultsWrapper at 0x7fdeba1cf250>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1cfd10>,
<statsmodels.discrete_model.BinaryResultsWrapper at 0x7fdee7c15290>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeb9ff10d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeb9ff1290>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeb9ff15d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeb9ff1950>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdeba1cf090>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdee7c15510>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdee7bfbd10>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba00a0d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdeba00a350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba00a610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba00a990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba00ad10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1a7110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1a7450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1a77d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdeba1a7b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1b33d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1b3650>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1b3510>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1b3890>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdeba1b3c10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1c4110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1c4450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1c47d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1c4b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1d40d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1d4350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1d4610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1d4990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1d4d10>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdeba1f2110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1f2450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1f27d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1f2b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1fb0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1fb350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1fb810>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1fb850>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1fbd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba206110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba206450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba2067d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba206b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba2100d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba210350>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdeba210610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba210990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba210d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba21d110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba21d450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba21d7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba21db50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba2270d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba227350>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba227610>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdeba227990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba227d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba231110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba231450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba2317d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba231b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba23d0d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdeba23d350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba23d610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba23d990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba23dd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba248110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdeba248450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba2487d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdeba248b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba2510d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba251350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba251610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba251990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba251d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba25f110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba25f450>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdeba25f7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba25fd50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba266110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba266350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba266610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba266990>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdeba266d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebac93110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebac93450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebac937d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebac93b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebac9c110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebac9c350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebac9c610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebac9c990>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebac9cd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebaca7110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebaca7450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebaca77d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebaca7b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebacb3110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebacb3350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebacb3610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebacb3990>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebacb3d10>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebacbf110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebacbf6d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebacbf7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebacbfb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebacc80d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebacc8350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebacc8610>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebacc8990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebacc8d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebaf9c110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebaf9c450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebaf9c7d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebaf9cdd0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafa60d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafa6350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafa6610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafa6990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafa6d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafb1110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafb1450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafb17d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafb1d50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebafba110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafba350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafba610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafba990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafbad10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafc5110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafc56d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafc57d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafc5b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafd0110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafd0350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafd0610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafd0c10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafd0d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2b4110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebb2b4450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2b4a50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2b4b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2bf110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2bf350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2bf610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2bf990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2bfd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2ca110>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2ca450>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebb2ca7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2cab50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2d60d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2d6350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2d6610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2d6990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2d6d10>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebb2e0110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2e0450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2e07d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb2e0b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafb8150>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafb8450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafb8610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafb8990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebafb8f90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5cb110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5cb550>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5cb190>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5cbb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5d70d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5d7350>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebb5d7610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5d7990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5d7d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5e3110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5e3450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5e37d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5e3b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5ed0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5ed350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5ed610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5ed990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5edd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5f8110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5f8450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb5f87d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebb5f8b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb6030d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb603350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb603610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb603990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb603d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8cc110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8cc450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8cc7d0>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8ccb50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebb8d60d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8d6350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8d6610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8d6c10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8d6e50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8e1190>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8e1210>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebb8e17d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8e1b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8ee110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8ee350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8ee610>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebb8ee990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8eed10>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebb8f7110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8f7450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8f77d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb8f7b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb902110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb902350>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebb902610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebb902990>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebb902d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbbe7110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbbe7450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbbe77d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbbe7b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbbf2110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebbbf2350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbbf2610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbbf2990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbbf2d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbbfd110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbbfd450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbbfd7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbbfddd0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbc070d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebbc07150>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbc07610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbc07990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbc07d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbc11110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbc11450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbc117d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbc11b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbc1b0d0>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbc1b350>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebbc1b610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbc1b750>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbc1bbd0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbee2210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbee2450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbee27d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbee2b50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebbeed0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbeed350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbeed610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbeed990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbeedd10>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebbefa110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbefa450>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebbefa7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbefab50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf040d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf04350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf04610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf04990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf04d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf0f110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebbf0f450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf0f7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf0fb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf19110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf19350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf19610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf19990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebbf19d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc20f110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc20f450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc20f7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc20fb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc2190d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc219350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc219610>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebc219990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc219d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc225110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc225450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc2257d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc225b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc22f050>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc22f3d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc22f450>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc22f990>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebc22fd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc23b110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc23b450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc23b7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc23bb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc2450d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc245350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc245610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc245990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc245d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc518110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc518450>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebc5187d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc518b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc5210d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc521350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc521610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc521990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc521d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc52d110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc52d450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc52d7d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebc52db50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc5370d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc537350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc537610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc537990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc537d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc543110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc543450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc5437d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc543b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc826110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc826350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc826610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc826990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc826f90>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebc833110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc833450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc8337d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc833e10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc83b150>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc83b450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc83b610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc83b990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc83bd10>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc847110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebc847450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc8477d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc847b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc84f0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc84f350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc84f610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc84f990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc84fd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc85b110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc85b450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc85b7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebc85bb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb3f110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb3f350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb3f610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb3f990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb3fd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb4a110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb4a450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb4a7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb4add0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb540d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebcb54350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb54610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb54990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb54d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb60110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb60450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb607d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb60dd0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb6a0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb6a350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb6a610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb6a990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb6ad10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb76110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb76450>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebcb767d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebcb76b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce40150>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce40450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce40890>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce40990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce40d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce49110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce49450>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce497d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebce49b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce54110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce54350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce54610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce54990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce54d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce5e110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebce5e450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce5e7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce5eb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce67110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce67350>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebce67610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce67c10>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebce67d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce75110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce75450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce757d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce75b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd1460d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd146350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd146610>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebd146990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd146d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd151110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd151450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd1517d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd151b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd15c0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd15c350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd15c610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd15c990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd15cd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd166110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd166450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd1667d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd166d50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebce3f110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce3f350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce3f610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce3f990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebce3fd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd17a110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd17a450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd17a7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd17ab50>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd48a110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebd48a350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd48a610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd48a990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd48af90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd496110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd496450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4967d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd496b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4a2110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4a2350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4a2610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4a2990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4a2d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4ac110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4ac450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4ac7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4acb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4b7110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4b7350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4b7610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4b7990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4b7d10>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebd4c3110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4c3450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4c37d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd4c3b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd8740d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd874350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd874610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd874990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd874d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd87f110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd87f450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd87f7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd87fc10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd889110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd889350>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebd889890>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd889990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd889d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd893110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd893450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd8937d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd893b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd8a00d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd8a0350>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd8a0610>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebd8a0990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd8a0d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd8aa110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd8aa450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd8aa7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd8aab50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdb96110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebdb96090>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdb96610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdb96990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdb96d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd886190>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd8866d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd8867d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebd886b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdba90d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdba9350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdba9610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdba9990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdba9d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdbb50d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdbb5450>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebdbb5a50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdbb5dd0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdbbf110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdbbf350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdbbf610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdbbf990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdbbfd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdbcb110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdbcb450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdbcb7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdbcbb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdea60d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdea6350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdea6610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdea6990>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebdea6d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdeb2110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdeb2450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdeb2a50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdeb2b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdebb0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdebb350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdebb610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdebb990>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdebbd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdec8110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdec8450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdec87d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdec8b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebded2350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebded24d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebded2550>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebded2990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebded2d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdedc110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdedc450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdedc7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebdedcb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1d0110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1d0350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1d0610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1d0990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1d0d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1dd110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1dd450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1dd7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1ddb50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebe1e70d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1e7350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1e7610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1e7990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1e7d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1f4110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1f4450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1f47d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1f4b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1fe110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1fe350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1fe610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1fe990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe1fed10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe209110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebe209450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe2097d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe209b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4db110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4db350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4db610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4db990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4dbd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4e6110>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4e6450>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebe4e67d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4e6b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4ef0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4ef350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4ef9d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4efad0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4efd50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebe4fa110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4fa450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4fa7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe4fab50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe5030d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe503350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe503610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe503990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe503d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe510110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe510450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe5107d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe510b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe7f3110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe7f3350>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebe7f3610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe7f3990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe7f3d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe7fe110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe7fe450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe7fe7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe7fedd0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe8080d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe808350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe808610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe808990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe808d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe814110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe814450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe8147d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebe814b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe81d0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe81d350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe81d610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe81d990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe81dd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe82a110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe82a450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe82a7d0>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebe82ab50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebeaf20d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeaf2310>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeaf2610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeaf27d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeaf2d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeafc110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeafc6d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebeafc7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeafcdd0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb060d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb06350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb06610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb06990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb06d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb11110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb11450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb117d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb11b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb1d0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb1d350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb1d610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb1d990>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebeb1dd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb28110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb28450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb287d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeb28b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee0b110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee0b350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee0b610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee0b990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee0bd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee17110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee17450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee177d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee17b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee22110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebee22350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee22610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee22990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee22d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee2d110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee2d450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee2d7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee2db50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeaf4110>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeaf4350>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebeaf43d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeaf4990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebeaf4d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee3e110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee3e450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee3ea50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebee3eb50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebf124110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf124350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf124610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf124990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf124d10>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebf12f110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf12f450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf12f7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf12fb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf13a110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf13a350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf13a890>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf13a990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf13ad10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf145110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebf145450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf1457d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf145b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf1500d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf150350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf150610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf150990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf150d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf15b110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf15b450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf15b7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf15bb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf43e0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf43e350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf43e610>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebf43e990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf43ed10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf44a110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf44a450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf44a7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf44ae10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf4551d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf455450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf455610>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf455990>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebf455fd0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1ec110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1ec1d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1ec7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1ecb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba0020d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba002350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba002890>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba002990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba002d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1ad110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1ad450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1ad7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1adb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1cd0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1cd350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1cd610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1cd990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdeba1cdd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf45f110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf45f450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf45f7d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebf45fb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf4660d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf466350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf466610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf466990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf466d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf46d110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf46d450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf46d7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf46db50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf4730d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf473350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf473610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf473990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf473d10>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebf9c1110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9c1450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9c17d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9c1b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9c70d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9c7350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9c7610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9c7990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9c7ad0>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9d3210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9d3450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9d37d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9d3b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9dd110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9dd350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9dd610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9dd990>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebf9ddd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9e8110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9e8450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9e87d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9e8b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9f20d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9f2350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9f2610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9f2990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebf9f2d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfcfd110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfcfd450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfcfd7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfcfdb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd060d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebfd06150>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd06610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd06990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd06d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd13110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd13450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd137d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd13b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd1e110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd1e350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd1e610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd1e990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd1ed10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd2c110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd2c450>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdebfd2c7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd2cb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd36110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd36350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd36610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd36c10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdebfd36d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07dd110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07dd6d0>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07dd7d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdec07dda90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07e40d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07e4350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07e4610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07e4990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07e4d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07f2110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdec07f2450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07f27d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07f2b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07fa110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07fa350>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdec07fa610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07fa990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec07fad10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0808110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0808450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec08087d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0808b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec08110d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0811350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0811610>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdec0811990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0811d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0aef110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0aef450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0aef7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0aefb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0af90d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0af9350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0af9610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0af9990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0af9d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0b06110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0b06450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0b067d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0b06b50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdec0b0f0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0b0f350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0b0f610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0b0f990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0b0fd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0b1d110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0b1d450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0b1d7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdec0b1db50>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef21eb0d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdef21eb390>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef21eb610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef21eb890>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef21ebd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef21f5110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef21f5450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef21f57d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdef21f5b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef21ff110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef21ff350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef21ff610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef21ff990>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdef21ffd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef220d110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef220d450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef220d7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef220db50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef2216110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef2216350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef2216610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef2216990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef2216d10>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdef2224110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef2224450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef22247d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdef2224b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cb0110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cb0350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cb0610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cb0990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cb0d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cbc110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cbc450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cbc7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cbcb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cc80d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cc8310>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdea0cc8610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cc8990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cc8d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cd2110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cd2450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cd27d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cd2b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cdd0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cdd350>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cdd610>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdea0cdd990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0cddd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0f98110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0f98450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0f987d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0f98b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fa3110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdea0fa3350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fa3990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fa3810>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fa3d50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fac110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdea0fac450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fac7d0>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdea0facb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fb5110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fb5350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fb5610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fb5990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fb5d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fc1110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fc1450>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdea0fc17d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fc1b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fcc0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fcc350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fcc610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea0fcc990>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdea0fccd10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12a8110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12a8450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12a87d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12a8b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12b30d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12b3350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12b3610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12b3990>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdea12b3d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12c1110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12c1450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12c17d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12c1b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12cb0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12cb350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12cb610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12cb990>,
```

```
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12cbd10>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdea12d6110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12d6450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12d67d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12d6b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12e10d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12e1350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12e1610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12e1990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea12e1d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea1591110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea1591450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15917d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea1591b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea159c0d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea159c350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea159c610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea159cc90>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea159c9d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15a6210>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15a6450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15a67d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15a6b50>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdea15b00d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15b0350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15b0610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15b0990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15b0d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15bd110>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15bd450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15bd7d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15bdb50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15c90d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15c9150>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15c9610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15c9990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea15c9d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea1877110>,
<statsmodels.discrete.discrete model.BinaryResultsWrapper at 0x7fdea1877450>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea18777d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea1877b50>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea18820d0>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea1882350>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea1882610>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea1882990>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea1882d10>,
<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea188e110>,
```

<statsmodels.discrete.discrete_model.BinaryResultsWrapper at 0x7fdea188e450>,
...])

[]:[