CE100 Algorithms and Programming II HW2

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Chapter 1

ce100 - Homework 2

TEAM MEMBERS

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REQUIRMENTS

-Visual Studio 2022

-Git Extensions

-Git Bash

-WebSite: []() https://ucoruh.github.io/ce100-algorithms-and-programming-II/

RUNNING

Functions run via Visual Studio 2022.

TESTING

Functions unit tested for all functionality (best case, average case and worst case) via Visual Studio 2022.

Chapter 2

Namespace Index

2.1 Namespace List

Here is a list of all namespaces with brief descriptions:

Chapter 3

Data Structure Index

3.1 Data Structures

Here are the data structures with brief descriptions:

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

Chapter 5

Namespace Documentation

5.1 ce100_hw2_algo_lib_cs Namespace Reference

Data Structures

- class HeapSortAlgorithm
- class LongestCommonSubsequence
- class MatrixChainMultiplicationDP
- class MatrixChainMultiplicationMemorizedRec
- class TheKnapsackProblem

5.2 ce100_hw2_algo_test_cs Namespace Reference

Data Structures

- class HeapSortAlgorithmTests
- class LongestCommonSubsequenceTests
- class MatrixChainMultiplicationDPTests
- class MatrixChainMultiplicationMemorizedRecTests
- class TheKnapsackProblemTests

Chapter 6

Data Structure Documentation

6.1 ce100_hw2_algo_lib_cs.HeapSortAlgorithm Class Reference

Static Public Member Functions

- static int HeapSort (int[ ] inputArray, ref int[ ] outputArray, bool enableDebug=false)

  Sorts an array of integers using the Heap Sort algorithm.

Static Private Member Functions

- static void MaxHeapify (int[ ] arr, int i, int n, bool enableDebug)

  Persists the max-heap property of the input array.

6.1.1 Member Function Documentation

6.1.1.1 HeapSort()

```
static int ce100_hw2_algo_lib_cs.HeapSortAlgorithm.HeapSort (
            int[] inputArray,
            ref int[] outputArray,
            bool enableDebug = false )  [inline], [static]
```

Sorts an array of integers using the Heap Sort algorithm.

Parameters

inputArray	The input integer array to be sorted.
outputArray	Output integer array will contain sorted items.
enableDebug	If true, debug info will be printed to the console.

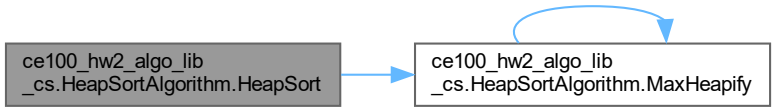
Returns

Returns 0 upon sorting is completed successfully.

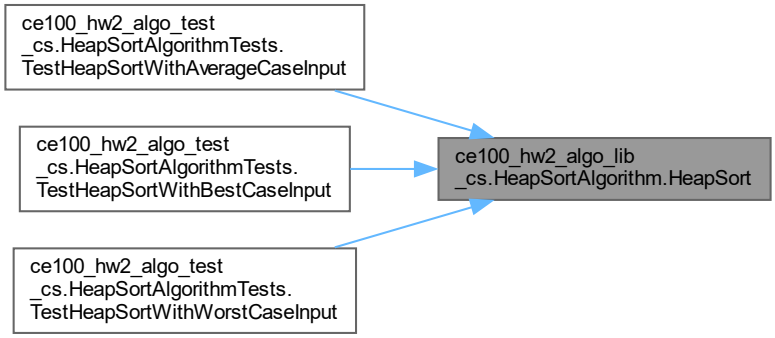
References ce100_hw2_algo_lib_cs.HeapSortAlgorithm.MaxHeapify().

Referenced by ce100_hw2_algo_test_cs.HeapSortAlgorithmTests.TestHeapSortWithAverageCaseInput(), ce100_hw2_algo_test_cs.H
and ce100_hw2_algo_test_cs.HeapSortAlgorithmTests.TestHeapSortWithWorstCaseInput().

Here is the call graph for this function:



Here is the caller graph for this function:



6.1.1.2 MaxHeapify()

```
static void ce100_hw2_algo_lib_cs.HeapSortAlgorithm.MaxHeapify (
            int[] arr,
            int i,
            int n,
            bool enableDebug )  [inline], [static], [private]
```

Persists the max-heap property of the input array.

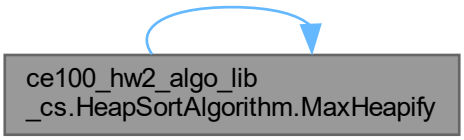
Parameters

arr	The input integer array which needs to persist the max-heap property.
i	The root index of the subtree.
n	The size of the heap.
enableDebug	If true, debug info will be printed to the console.

References ce100_hw2_algo_lib_cs.HeapSortAlgorithm.MaxHeapify().

Referenced by ce100_hw2_algo_lib_cs.HeapSortAlgorithm.HeapSort(), and ce100_hw2_algo_lib_cs.HeapSortAlgorithm.MaxHeapify

Here is the call graph for this function:



Here is the caller graph for this function:

The documentation for this class was generated from the following file:

- C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-lib-cs/Class1.cs

6.2 ce100_hw2_algo_test_cs.HeapSortAlgorithmTests Class Reference

Public Member Functions

- void TestHeapSortWithBestCaseInput ()
- void TestHeapSortWithWorstCaseInput ()
- void TestHeapSortWithAverageCaseInput ()

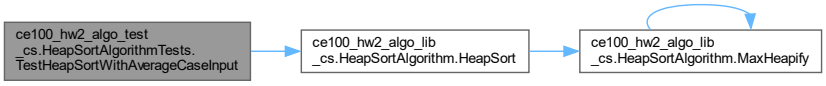
6.2.1 Member Function Documentation

6.2.1.1 TestHeapSortWithAverageCaseInput()

```
void ce100_hw2_algo_test_cs.HeapSortAlgorithmTests.TestHeapSortWithAverageCaseInput ( )  [inline]
```

References ce100_hw2_algo_lib_cs.HeapSortAlgorithm.HeapSort().

Here is the call graph for this function:

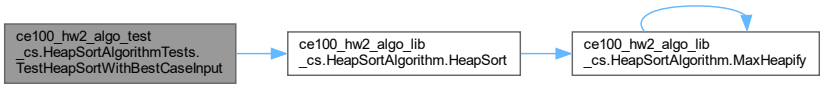


6.2.1.2 TestHeapSortWithBestCaseInput()

```
void ce100_hw2_algo_test_cs.HeapSortAlgorithmTests.TestHeapSortWithBestCaseInput ( )  [inline]
```

References ce100_hw2_algo_lib_cs.HeapSortAlgorithm.HeapSort().

Here is the call graph for this function:



6.2.1.3 TestHeapSortWithWorstCaseInput()

```
void ce100_hw2_algo_test_cs.HeapSortAlgorithmTests.TestHeapSortWithWorstCaseInput ( )  [inline]
```

References ce100_hw2_algo_lib_cs.HeapSortAlgorithm.HeapSort().

Here is the call graph for this function:

The documentation for this class was generated from the following file:

- C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-test-cs/UnitTest1.cs

6.3 ce100_hw2_algo_lib_cs.LongestCommonSubsequence Class Reference

Static Public Member Functions

- static int Lcs (string inputArray1, string inputArray2, out string outputLcs, out int outputLcslength, bool enableDebug=false)

  Finds the LCS of two input strings.

6.3.1 Member Function Documentation

6.3.1.1 Lcs()

```
static int ce100_hw2_algo_lib_cs.LongestCommonSubsequence.Lcs (
            string inputArray1,
            string inputArray2,
            out string outputLcs,
            out int outputLcslength,
            bool enableDebug = false )  [inline], [static]
```

Finds the LCS of two input strings.

Parameters

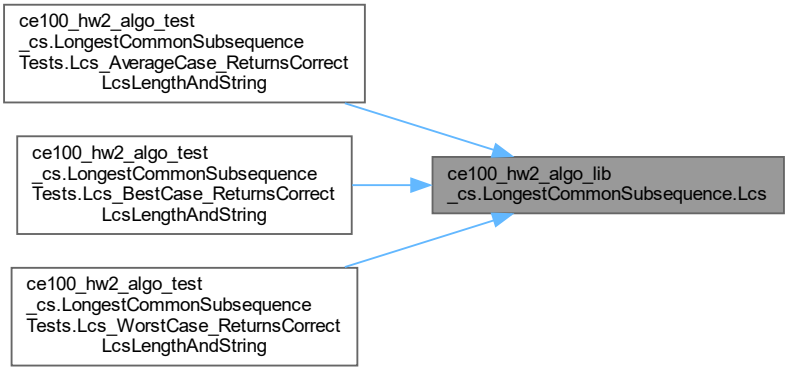
inputArray1	The first input string.
inputArray2	The second input string.
outputLcs	The output LCS string.
outputLcslength	The length of the output LCS.
enableDebug	Flag to enable debug logging.

Returns

Every time returns 0.

Referenced by ce100_hw2_algo_test_cs.LongestCommonSubsequenceTests.Lcs_AverageCase_ReturnsCorrectLcsLengthAndString(), ce100_hw2_algo_test_cs.LongestCommonSubsequenceTests.Lcs_BestCase_ReturnsCorrectLcsLengthAndString(), and ce100_hw2_algo_test_cs.LongestCommonSubsequenceTests.Lcs_WorstCase_ReturnsCorrectLcsLengthAndString().

Here is the caller graph for this function:



The documentation for this class was generated from the following file:

- C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-lib-cs/Class1.cs

6.4 ce100_hw2_algo_test_cs.LongestCommonSubsequenceTests Class Reference

Public Member Functions

- void Lcs_BestCase_ReturnsCorrectLcsLengthAndString ()
- void Lcs_WorstCase_ReturnsCorrectLcsLengthAndString ()
- void Lcs_AverageCase_ReturnsCorrectLcsLengthAndString ()

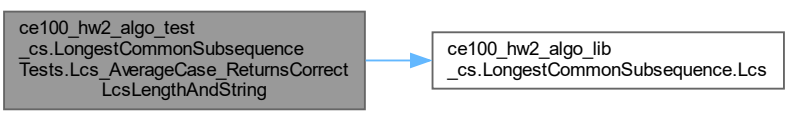
6.4.1 Member Function Documentation

6.4.1.1 Lcs_AverageCase_ReturnsCorrectLcsLengthAndString()

```
void ce100_hw2_algo_test_cs.LongestCommonSubsequenceTests.Lcs_AverageCase_ReturnsCorrectLcs↩
LengthAndString ( )  [inline]
```

References ce100_hw2_algo_lib_cs.LongestCommonSubsequence.Lcs().

Here is the call graph for this function:

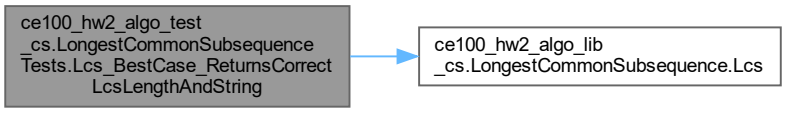


6.4.1.2 Lcs_BestCase_ReturnsCorrectLcsLengthAndString()

```
void ce100_hw2_algo_test_cs.LongestCommonSubsequenceTests.Lcs_BestCase_ReturnsCorrectLcs↩
LengthAndString ( )  [inline]
```

References ce100_hw2_algo_lib_cs.LongestCommonSubsequence.Lcs().

Here is the call graph for this function:

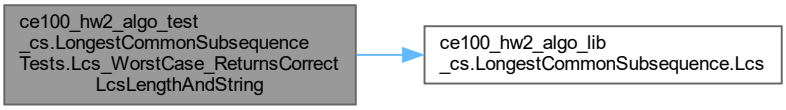


6.4.1.3 Lcs_WorstCase_ReturnsCorrectLcsLengthAndString()

```
void ce100_hw2_algo_test_cs.LongestCommonSubsequenceTests.Lcs_WorstCase_ReturnsCorrectLcs↩
LengthAndString ( )  [inline]
```

References ce100_hw2_algo_lib_cs.LongestCommonSubsequence.Lcs().

Here is the call graph for this function:



The documentation for this class was generated from the following file:

- C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-test-cs/UnitTest1.cs

6.5 ce100_hw2_algo_lib_cs.MatrixChainMultiplicationDP Class Reference

Static Public Member Functions

- static int Mcmdp (int[ ] matrixDimensionArray, ref string matrixOrder, ref int operationCount, bool enable↩ Debug=false)

  Calculates the minimum number of operations necessary to multiply a sequence of matrices using Dynamic Programming approach.
- static string BuildMatrixOrder (int[,] s, int i, int j)

  Recursively builds the matrix multiplication order from the split positions stored in the s array.

6.5.1 Member Function Documentation

6.5.1.1 BuildMatrixOrder()

```
static string ce100_hw2_algo_lib_cs.MatrixChainMultiplicationDP.BuildMatrixOrder (
            int s[,],
            int i,
            int j )  [inline], [static]
```

Recursively builds the matrix multiplication order from the split positions stored in the s array.

Parameters

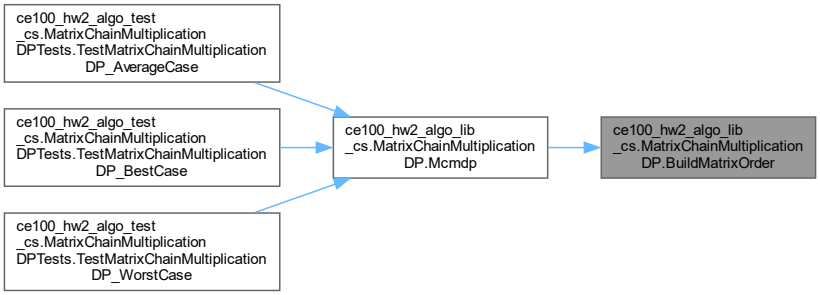
s	A two-dimensional array containing the split positions.
i	The start index of the sequence of matrices.
j	The end index of the sequence of matrices.

Returns

The matrix multiplication order as a string.

Referenced by ce100_hw2_algo_lib_cs.MatrixChainMultiplicationDP.Mcmdp().

Here is the caller graph for this function:



6.5.1.2 Mcmdp()

```
static int ce100_hw2_algo_lib_cs.MatrixChainMultiplicationDP.Mcmdp (
            int[] matrixDimensionArray,
            ref string matrixOrder,
            ref int operationCount,
            bool enableDebug = false )  [inline], [static]
```

Calculates the minimum number of operations necessary to multiply a sequence of matrices using Dynamic Programming approach.

Parameters

matrixDimensionArray	An integer array containing the dimensions of the matrices to be multiplied.
matrixOrder	A reference parameter to store the order of multiplication of the matrices.
operationCount	A reference parameter to store the total number of operations necessary for multiplication.
enableDebug	A boolean flag to enable/disable debug mode.

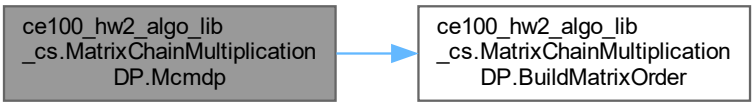
Returns

The minimum number of operations necessary for multiplication.

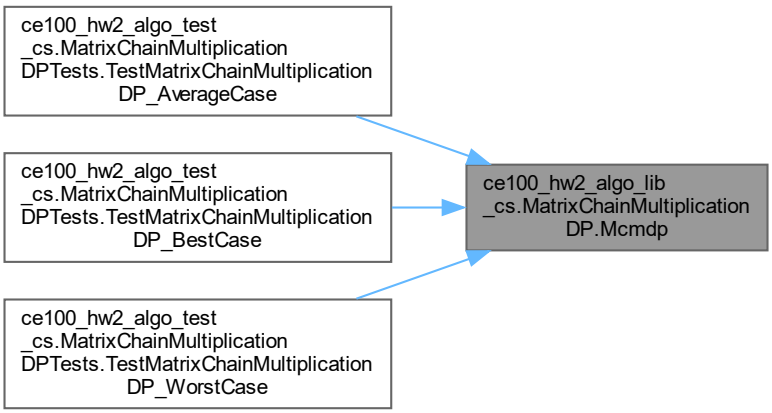
References ce100_hw2_algo_lib_cs.MatrixChainMultiplicationDP.BuildMatrixOrder().

Referenced by ce100_hw2_algo_test_cs.MatrixChainMultiplicationDPTests.TestMatrixChainMultiplicationDP_AverageCase(), ce100_hw2_algo_test_cs.MatrixChainMultiplicationDPTests.TestMatrixChainMultiplicationDP_BestCase(), and ce100_hw2_algo_test_cs.MatrixChainMultiplicationDPTests.TestMatrixChainMultiplicationDP_WorstCase().

Here is the call graph for this function:



Here is the caller graph for this function:



The documentation for this class was generated from the following file:

- C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-lib-cs/Class1.cs

6.6 ce100_hw2_algo_test_cs.MatrixChainMultiplicationDPTests Class Reference

Public Member Functions

- void TestMatrixChainMultiplicationDP_BestCase ()
- void TestMatrixChainMultiplicationDP_WorstCase ()
- void TestMatrixChainMultiplicationDP_AverageCase ()

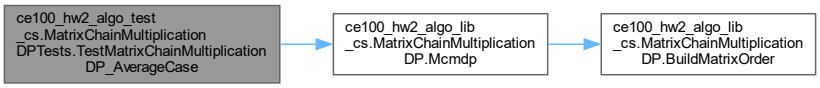
6.6.1 Member Function Documentation

6.6.1.1 TestMatrixChainMultiplicationDP_AverageCase()

```
void ce100_hw2_algo_test_cs.MatrixChainMultiplicationDPTests.TestMatrixChainMultiplicationDP↩
_AverageCase ( )  [inline]
```

References ce100_hw2_algo_lib_cs.MatrixChainMultiplicationDP.Mcmdp().

Here is the call graph for this function:

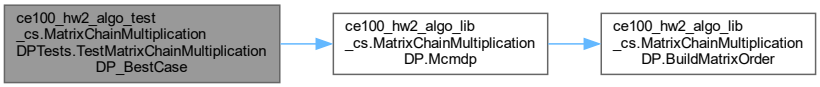


6.6.1.2 TestMatrixChainMultiplicationDP_BestCase()

```
void ce100_hw2_algo_test_cs.MatrixChainMultiplicationDPTests.TestMatrixChainMultiplicationDP↩
_BestCase ( )  [inline]
```

References ce100_hw2_algo_lib_cs.MatrixChainMultiplicationDP.Mcmdp().

Here is the call graph for this function:

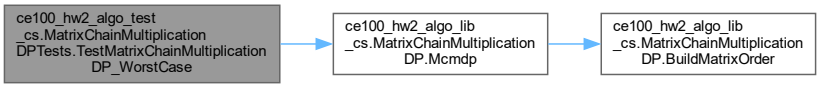


6.6.1.3 TestMatrixChainMultiplicationDP_WorstCase()

```
void ce100_hw2_algo_test_cs.MatrixChainMultiplicationDPTests.TestMatrixChainMultiplicationDP↩
_WorstCase ( )  [inline]
```

References ce100_hw2_algo_lib_cs.MatrixChainMultiplicationDP.Mcmdp().

Here is the call graph for this function:



The documentation for this class was generated from the following file:

- C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-test-cs/UnitTest1.cs

6.7 ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec Class Reference

Static Public Member Functions

- static int mcmrem (int[ ] matrixDimensionArray, ref string matrixOrder, ref int operationCount)

  Computes the minimum number of scalar multiplications necessary to multiply a given sequence of matrices. Uses memoization to optimize the recursive approach.
- static int mcmremHelper (int[ ] p, int[,] S, int[,] M, int i, int j)

  Helper function for mcmrem() to calculate the optimal number of scalar multiplications. Uses memoization to optimize the recursive approach.
- static string parenthesize (int[,] S, int i, int j)

6.7.1 Member Function Documentation

6.7.1.1 mcmrem()

```
static int ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec.mcmrem (
            int[] matrixDimensionArray,
            ref string matrixOrder,
            ref int operationCount )  [inline], [static]
```

Computes the minimum number of scalar multiplications necessary to multiply a given sequence of matrices. Uses memoization to optimize the recursive approach.

Parameters

matrixDimensionArray	Array containing the dimensions of the matrices.
matrixOrder	String containing the optimal order to multiply the matrices.
operationCount	Number of scalar multiplications necessary to multiply the matrices in the optimal order.

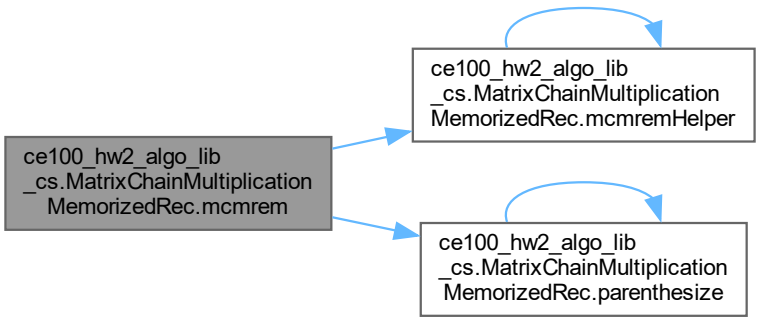
Returns

0 if successful, -1 if failed.

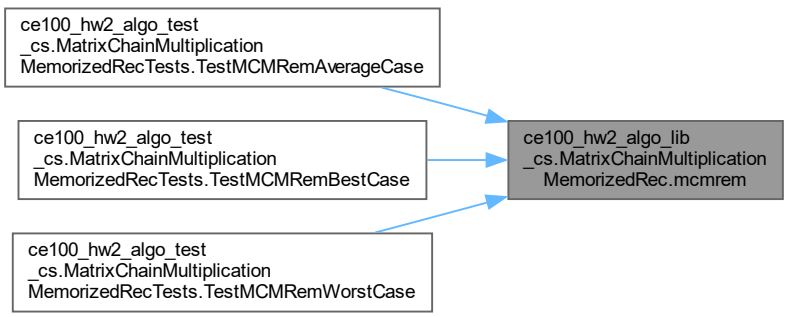
References ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec.mcmremHelper(), and ce100_hw2_algo_lib_cs.MatrixC

Referenced by ce100_hw2_algo_test_cs.MatrixChainMultiplicationMemorizedRecTests.TestMCMRemAverageCase(), ce100_hw2_algo_test_cs.MatrixChainMultiplicationMemorizedRecTests.TestMCMRemBestCase(), and ce100_hw2_algo_test_cs.Ma

Here is the call graph for this function:



Here is the caller graph for this function:



6.7.1.2 mcmremHelper()

```
static int ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec.mcmremHelper (
            int[] p,
            int S[,],
            int M[,],
            int i,
            int j )  [inline], [static]
```

Helper function for mcmrem() to calculate the optimal number of scalar multiplications. Uses memoization to optimize the recursive approach.

Parameters

p	Array containing the dimensions of the matrices.
S	Array to store the optimal order to multiply the matrices.
M	Array to store the minimum number of scalar multiplications needed to multiply the matrices.
i	Starting index of the subsequence of matrices.
j	Ending index of the subsequence of matrices.

Returns

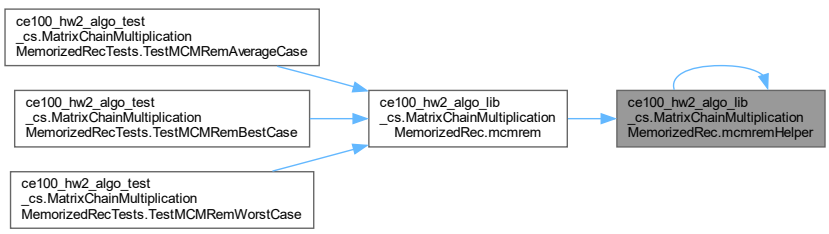
The minimum number of scalar multiplications necessary to multiply the matrices in the given subsequence.

References ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec.mcmremHelper().

Referenced by ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec.mcmrem(), and ce100_hw2_algo_lib_cs.MatrixChain

Here is the call graph for this function:

Here is the caller graph for this function:



6.7.1.3 parenthesize()

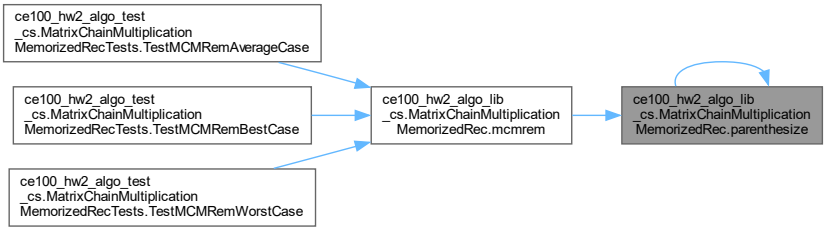
```
static string ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec.parenthesize (
            int S[,],
            int i,
            int j )  [inline], [static]
```

References ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec.parenthesize().

Referenced by ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec.mcmrem(), and ce100_hw2_algo_lib_cs.MatrixChain

Here is the call graph for this function:

Here is the caller graph for this function:



The documentation for this class was generated from the following file:

- C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-lib-cs/Class1.cs

6.8 ce100_hw2_algo_test_cs.MatrixChainMultiplicationMemorizedRec↩ Tests Class Reference

Public Member Functions

- void TestMCMRemBestCase ()
- void TestMCMRemWorstCase ()
- void TestMCMRemAverageCase ()

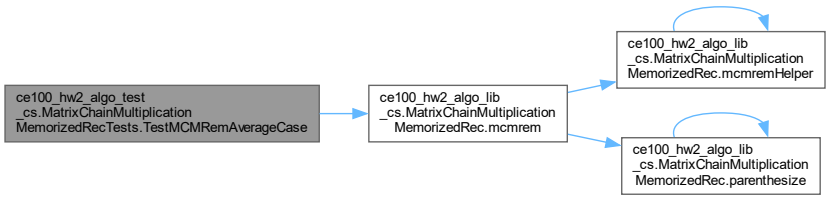
6.8.1 Member Function Documentation

6.8.1.1 TestMCMRemAverageCase()

```
void ce100_hw2_algo_test_cs.MatrixChainMultiplicationMemorizedRecTests.TestMCMRemAverageCase (
) [inline]
```

References ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec.mcmrem().

Here is the call graph for this function:



6.8.1.2 TestMCMRemBestCase()

```
void ce100_hw2_algo_test_cs.MatrixChainMultiplicationMemorizedRecTests.TestMCMRemBestCase ( )
[inline]
```

References ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec.mcmrem().

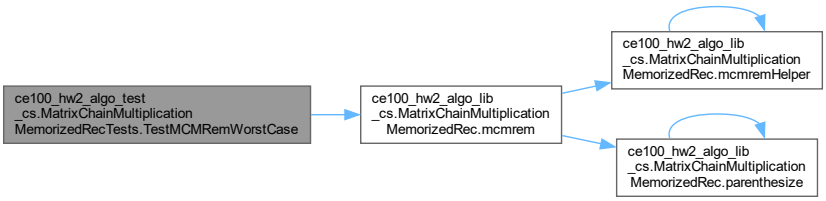
Here is the call graph for this function:

6.8.1.3 TestMCMRemWorstCase()

```
void ce100_hw2_algo_test_cs.MatrixChainMultiplicationMemorizedRecTests.TestMCMRemWorstCase ( )
[inline]
```

References ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec.mcmrem().

Here is the call graph for this function:



The documentation for this class was generated from the following file:

- C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-test-cs/UnitTest1.cs

6.9 ce100_hw2_algo_lib_cs.TheKnapsackProblem Class Reference

Static Public Member Functions

- static int Knapsackdp (int[ ] Weights, int[ ] Values, ref int[ ] SelectedIndices, ref int maxBenefit, bool enable↩ Debug=false)

  Solves The 0-1 Knapsack Problem using DP.

6.9.1 Member Function Documentation

6.9.1.1 Knapsackdp()

```
static int ce100_hw2_algo_lib_cs.TheKnapsackProblem.Knapsackdp (
            int[ ] Weights,
            int[ ] Values,
            ref int[ ] SelectedIndices,
            ref int maxBenefit,
            bool enableDebug = false )  [inline], [static]
```

Solves The 0-1 Knapsack Problem using DP.

Parameters

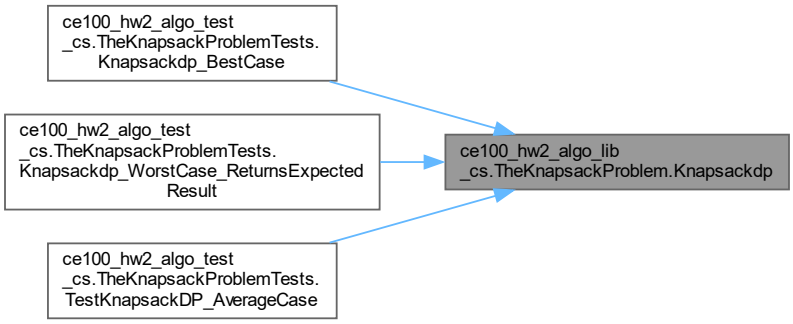
Weights	An array of item weights.
Values	An array of item values.
SelectedIndices	An array to store the chosen item indices.
maxBenefit	The maximum benefit that can be get from the Knapsack.
enableDebug	Optional flag to enable debugging output.

Returns

Every time returns 0.

Referenced by ce100_hw2_algo_test_cs.TheKnapsackProblemTests.Knapsackdp_BestCase(), ce100_hw2_algo_test_cs.TheKnapsa
and ce100_hw2_algo_test_cs.TheKnapsackProblemTests.TestKnapsackDP_AverageCase().

Here is the caller graph for this function:



The documentation for this class was generated from the following file:

- C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-lib-cs/Class1.cs

6.10 ce100_hw2_algo_test_cs.TheKnapsackProblemTests Class Reference

Public Member Functions

- void Knapsackdp_WorstCase_ReturnsExpectedResult ()
- void Knapsackdp_BestCase ()
- void TestKnapsackDP_AverageCase ()

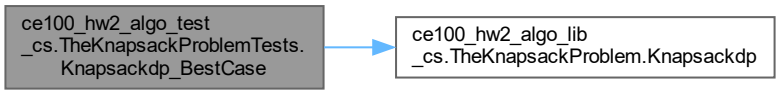
6.10.1 Member Function Documentation

6.10.1.1 Knapsackdp_BestCase()

```
void ce100_hw2_algo_test_cs.TheKnapsackProblemTests.Knapsackdp_BestCase ( )  [inline]
```

References ce100_hw2_algo_lib_cs.TheKnapsackProblem.Knapsackdp().

Here is the call graph for this function:

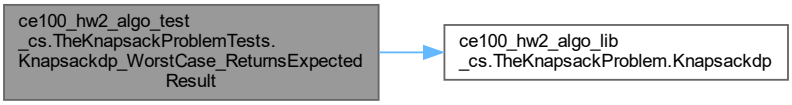


6.10.1.2 Knapsackdp_WorstCase_ReturnsExpectedResult()

```
void ce100_hw2_algo_test_cs.TheKnapsackProblemTests.Knapsackdp_WorstCase_ReturnsExpectedResult
( )  [inline]
```

References ce100_hw2_algo_lib_cs.TheKnapsackProblem.Knapsackdp().

Here is the call graph for this function:

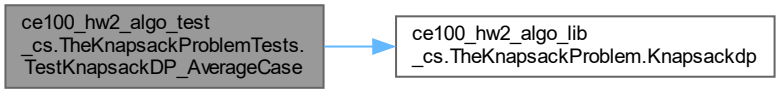


6.10.1.3 TestKnapsackDP_AverageCase()

```
void ce100_hw2_algo_test_cs.TheKnapsackProblemTests.TestKnapsackDP_AverageCase ( )  [inline]
```

References ce100_hw2_algo_lib_cs.TheKnapsackProblem.Knapsackdp().

Here is the call graph for this function:



The documentation for this class was generated from the following file:

- C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-test-cs/UnitTest1.cs

Chapter 7

File Documentation

7.1 C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-lib-cs/Class1.cs File Reference

Data Structures

- class ce100_hw2_algo_lib_cs.HeapSortAlgorithm
- class ce100_hw2_algo_lib_cs.MatrixChainMultiplicationDP
- class ce100_hw2_algo_lib_cs.MatrixChainMultiplicationMemorizedRec
- class ce100_hw2_algo_lib_cs.LongestCommonSubsequence
- class ce100_hw2_algo_lib_cs.TheKnapsackProblem

Namespaces

- namespace ce100_hw2_algo_lib_cs

7.2 C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-lib-cs/obj/Debug/.NETFramework,Version=v4.8.AssemblyAttributes.cs File Reference

7.3 C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-lib-cs/Properties/AssemblyInfo.cs File Reference

7.4 C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-test-cs/obj/Debug/net7.0/.NETCoreApp,Version=v7.0.AssemblyAttributes.cs File Reference

7.5 C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-test-cs/obj/Debug/net7.0/ce100-hw2-algo-test-cs.AssemblyInfo.cs File Reference

7.6 C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-test-cs/obj/Debug/net7.0/ce100-hw2-algo-test-cs.GlobalUsings.g.cs File Reference

7.7 C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-test-cs/UnitTest1.cs File Reference

Data Structures

- class ce100_hw2_algo_test_cs.HeapSortAlgorithmTests
- class ce100_hw2_algo_test_cs.MatrixChainMultiplicationDPTests
- class ce100_hw2_algo_test_cs.MatrixChainMultiplicationMemorizedRecTests
- class ce100_hw2_algo_test_cs.LongestCommonSubsequenceTests
- class ce100_hw2_algo_test_cs.TheKnapsackProblemTests

Namespaces

- namespace ce100_hw2_algo_test_cs

7.8 C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/ce100-hw2-sln/ce100-hw2-algo-test-cs/Usings.cs File Reference

7.9 C:/Users/Alptuğ/Desktop/Yeni klasor/ce100-hw2-nefise-gullu/README.md File Reference

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