

CE100 Algorithms and Programming II HW4

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Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

ce100_hw4_algo_lib_cs	7
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Chapter 2

Data Structure Index

2.1 Data Structures

Here are the data structures with brief descriptions:

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Chapter 3

File Index

3.1 File List

Here is a list of all files with brief descriptions:

C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-lib-cs/ Class1.cs	37
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C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-test-cs/ UnitTest1.cs	38
C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-test-cs/obj/Debug/.NETFramework,Version=v4.8.AssemblyAttributes.cs 38	
C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-test-cs/Properties/ AssemblyInfo.cs	38

Chapter 4

Namespace Documentation

4.1 ce100_hw4_algo_lib_cs Namespace Reference

Data Structures

- class [Activity_Selection](#)
- class [BFS_Problem](#)
- class [DFS_Problem](#)
- class [Knapsack_Problem](#)
- class [SCC_Problem](#)
- class [Topological_Sort_Problem](#)

4.2 ce100_hw4_algo_test_cs Namespace Reference

Data Structures

- class [UnitTest1](#)

Chapter 5

Data Structure Documentation

5.1 ce100_hw4_algo_lib_cs.Activity_Selection Class Reference

Static Public Member Functions

printMaxActivities (Print Activity Selection Problem)

Print Activity Selection Problem

Print Activity Selection Problem

Parameters

<i>in</i>	s	<i>[int] s</i>
<i>in</i>	f	<i>[int] f</i>
<i>in</i>	n	<i>[int] n</i>

- static int [printMaxActivities](#) (int[] s, int[] f, int n)

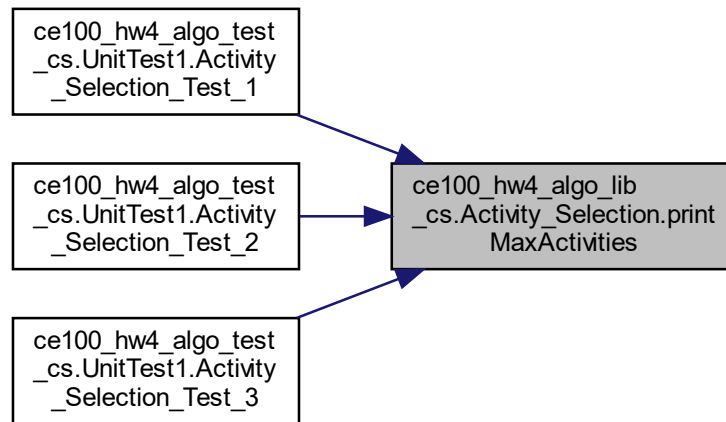
5.1.1 Member Function Documentation

5.1.1.1 printMaxActivities()

```
static int ce100_hw4_algo_lib_cs.Activity_Selection.printMaxActivities (  
    int[] s,  
    int[] f,  
    int n ) [inline], [static]
```

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.Activity_Selection_Test_1\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.Activity_Selection_Test_2\(\)](#) and [ce100_hw4_algo_test_cs.UnitTest1.Activity_Selection_Test_3\(\)](#).

Here is the caller graph for this function:



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

- C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-lib-cs/[Class1.cs](#)

5.2 ce100_hw4_algo_lib_cs.BFS_Problem Class Reference

Static Public Member Functions

- static void [Graph](#) (int V)
- static void [AddEdge](#) (int v, int w)

BFS (BFS Function)

BFS Function

BFS Function

Parameters

<i>in</i>	<i>s</i>	<i>[int] s</i>
-----------	----------	----------------

- static string [BFS](#) (int s)

Static Public Attributes

- static int [_v](#)
- static LinkedList< int >[] [_adj](#)

5.2.1 Member Function Documentation

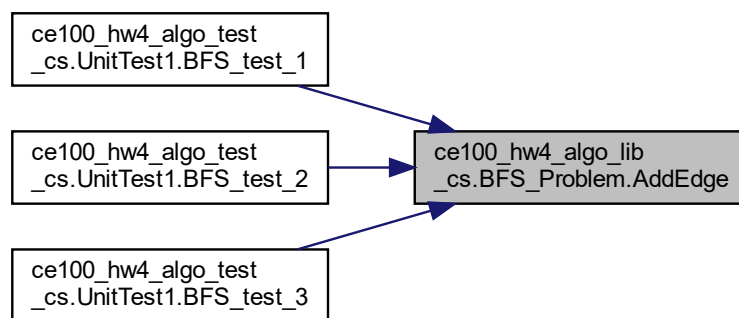
5.2.1.1 AddEdge()

```
static void ce100_hw4_algo_lib_cs.BFS_Problem.AddEdge (  
    int v,  
    int w ) [inline], [static]
```

References [ce100_hw4_algo_lib_cs.BFS_Problem._adj](#).

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.BFS_test_1\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.BFS_test_2\(\)](#), and [ce100_hw4_algo_test_cs.UnitTest1.BFS_test_3\(\)](#).

Here is the caller graph for this function:



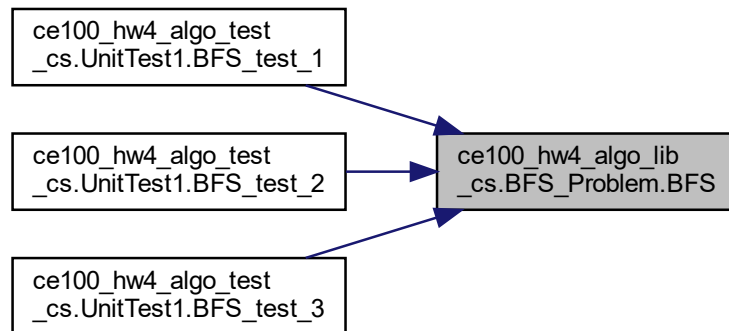
5.2.1.2 BFS()

```
static string ce100_hw4_algo_lib_cs.BFS_Problem.BFS (  
    int s ) [inline], [static]
```

References [ce100_hw4_algo_lib_cs.BFS_Problem._adj](#), and [ce100_hw4_algo_lib_cs.BFS_Problem._v](#).

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.BFS_test_1\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.BFS_test_2\(\)](#), and [ce100_hw4_algo_test_cs.UnitTest1.BFS_test_3\(\)](#).

Here is the caller graph for this function:



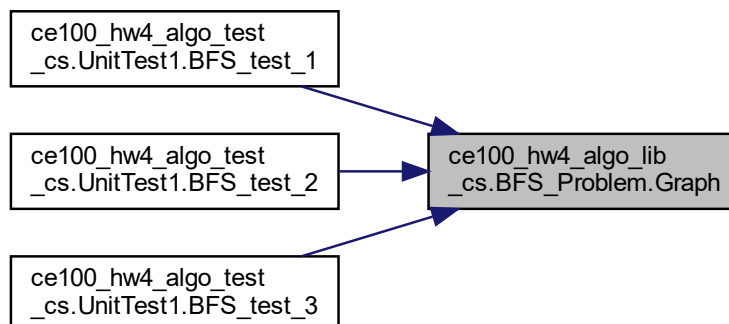
5.2.1.3 Graph()

```
static void ce100_hw4_algo_lib_cs.BFS_Problem.Graph (
    int V ) [inline], [static]
```

References [ce100_hw4_algo_lib_cs.BFS_Problem.adj](#), and [ce100_hw4_algo_lib_cs.BFS_Problem.v](#).

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.BFS_test_1\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.BFS_test_2\(\)](#), and [ce100_hw4_algo_test_cs.UnitTest1.BFS_test_3\(\)](#).

Here is the caller graph for this function:



5.2.2 Field Documentation

5.2.2.1 _adj

```
LinkedList<int> [] ce100_hw4_algo_lib_cs.BFS_Problem._adj [static]
```

Referenced by [ce100_hw4_algo_lib_cs.BFS_Problem.AddEdge\(\)](#), [ce100_hw4_algo_lib_cs.BFS_Problem.BFS\(\)](#), and [ce100_hw4_algo_lib_cs.BFS_Problem.Graph\(\)](#).

5.2.2.2 _v

```
int ce100_hw4_algo_lib_cs.BFS_Problem._v [static]
```

Referenced by [ce100_hw4_algo_lib_cs.BFS_Problem.BFS\(\)](#), and [ce100_hw4_algo_lib_cs.BFS_Problem.Graph\(\)](#).

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

- C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-lib-cs/[Class1.cs](#)

5.3 ce100_hw4_algo_lib_cs.DFS_Problem Class Reference

Static Public Member Functions

- static void [graph](#) (int V)
- static void [addEdge](#) (int v, int w)

DFS_Print (Print DFS Function)

Print DFS Function

Print DFS Function

Parameters

<i>in</i>	s	<i>[int] s</i>
-----------	---	----------------

- static string [DFS_Print](#) (int s)

Static Public Attributes

- static int [_V](#)
- static LinkedList< int >[] [adj](#)

5.3.1 Member Function Documentation

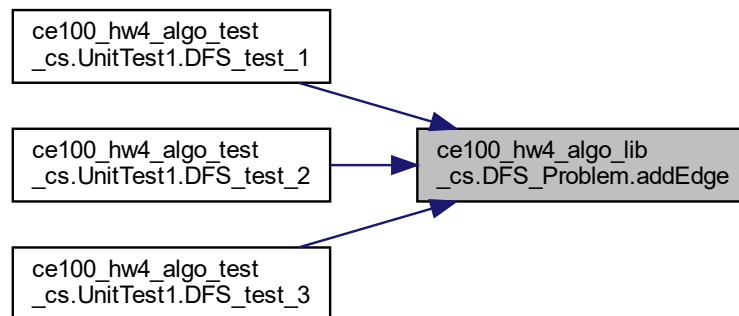
5.3.1.1 addEdge()

```
static void ce100_hw4_algo_lib_cs.DFS_Problem.addEdge (  
    int v,  
    int w ) [inline], [static]
```

References [ce100_hw4_algo_lib_cs.DFS_Problem.adj](#).

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.DFS_test_1\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.DFS_test_2\(\)](#), and [ce100_hw4_algo_test_cs.UnitTest1.DFS_test_3\(\)](#).

Here is the caller graph for this function:



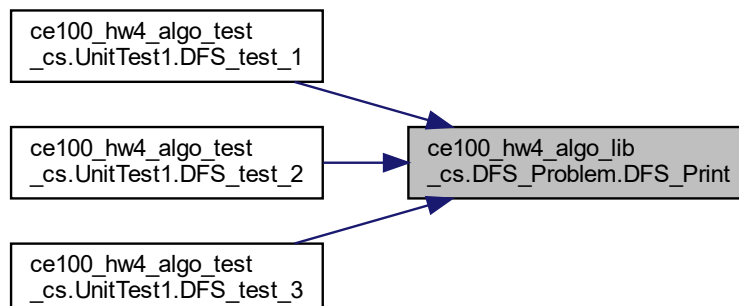
5.3.1.2 DFS_Print()

```
static string ce100_hw4_algo_lib_cs.DFS_Problem.DFS_Print (  
    int s ) [inline], [static]
```

References [ce100_hw4_algo_lib_cs.DFS_Problem._V](#), and [ce100_hw4_algo_lib_cs.DFS_Problem.adj](#).

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.DFS_test_1\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.DFS_test_2\(\)](#), and [ce100_hw4_algo_test_cs.UnitTest1.DFS_test_3\(\)](#).

Here is the caller graph for this function:



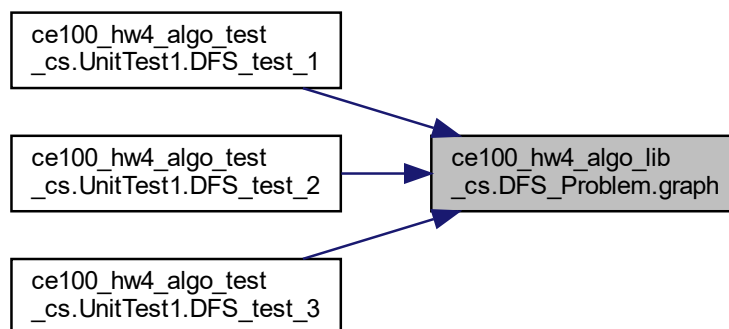
5.3.1.3 graph()

```
static void ce100_hw4_algo_lib_cs.DFS_Problem.graph (
    int V )    [inline], [static]
```

References [ce100_hw4_algo_lib_cs.DFS_Problem._V](#), and [ce100_hw4_algo_lib_cs.DFS_Problem.adj](#).

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.DFS_test_1\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.DFS_test_2\(\)](#), and [ce100_hw4_algo_test_cs.UnitTest1.DFS_test_3\(\)](#).

Here is the caller graph for this function:



5.3.2 Field Documentation

5.3.2.1 _V

```
int ce100_hw4_algo_lib_cs.DFS_Problem._V    [static]
```

Referenced by [ce100_hw4_algo_lib_cs.DFS_Problem.DFS_Print\(\)](#), and [ce100_hw4_algo_lib_cs.DFS_Problem.graph\(\)](#).

5.3.2.2 adj

```
LinkedList<int> [] ce100_hw4_algo_lib_cs.DFS_Problem.adj    [static]
```

Referenced by [ce100_hw4_algo_lib_cs.DFS_Problem.addEdge\(\)](#), [ce100_hw4_algo_lib_cs.DFS_Problem.DFS_Print\(\)](#), and [ce100_hw4_algo_lib_cs.DFS_Problem.graph\(\)](#).

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

- `C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-lib-cs/Class1.cs`

5.4 ce100_hw4_algo_lib_cs.Knapsack_Problem Class Reference

Static Public Member Functions

- static int [max](#) (int a, int b)

knapSack (Knapsack Function)

Knapsack Function

Knapsack Function

Parameters

<i>in</i>	W	<i>[int]</i> W
<i>in</i>	wt	<i>[int]</i> wt
<i>in</i>	val	<i>[int]</i> val
<i>in</i>	n	<i>[int]</i> n

- static int [knapSack](#) (int W, int[] wt, int[] val, int n)

knapSack (Print Knapsack Function)

Print Knapsack Function

Print Knapsack Function

Parameters

<i>in</i>	W	<i>[int]</i> W
<i>in</i>	wt	<i>[int]</i> wt
<i>in</i>	val	<i>[int]</i> val
<i>in</i>	n	<i>[int]</i> n

- static int [printknapSack](#) (int W, int[] wt, int[] val, int n)

5.4.1 Member Function Documentation

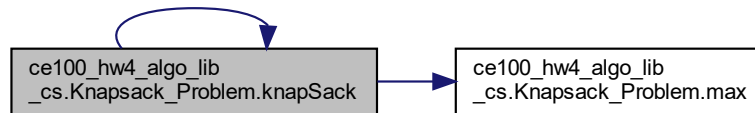
5.4.1.1 [knapSack\(\)](#)

```
static int ce100_hw4_algo_lib_cs.Knapsack_Problem.knapSack (
    int W,
    int[] wt,
    int[] val,
    int n ) [inline], [static]
```

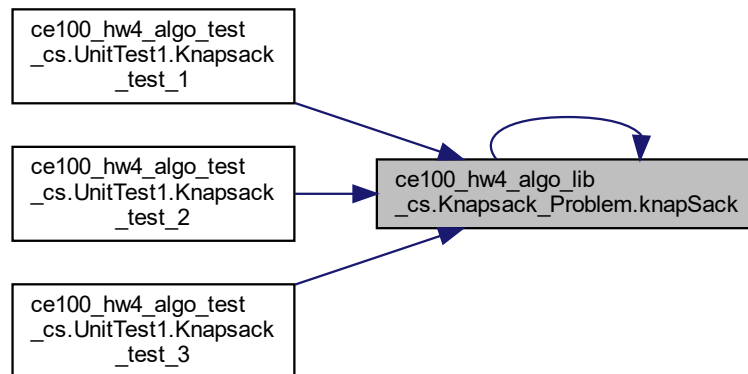
References [ce100_hw4_algo_lib_cs.Knapsack_Problem.knapSack\(\)](#), and [ce100_hw4_algo_lib_cs.Knapsack_Problem.max\(\)](#).

Referenced by [ce100_hw4_algo_lib_cs.Knapsack_Problem.knapSack\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.Knapsack_test_1\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.Knapsack_test_2\(\)](#), and [ce100_hw4_algo_test_cs.UnitTest1.Knapsack_test_3\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:

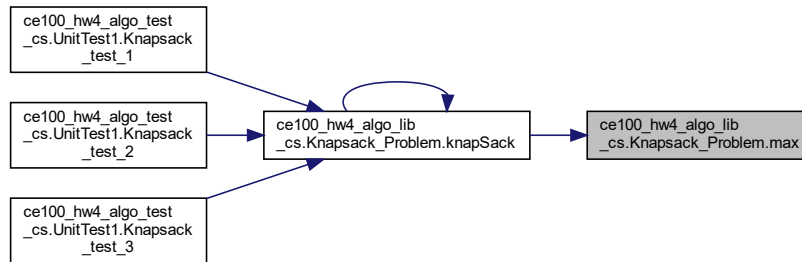


5.4.1.2 max()

```
static int ce100_hw4_algo_lib_cs.Knapsack_Problem.max (  
    int a,  
    int b ) [inline], [static]
```

Referenced by [ce100_hw4_algo_lib_cs.Knapsack_Problem.knapSack\(\)](#).

Here is the caller graph for this function:



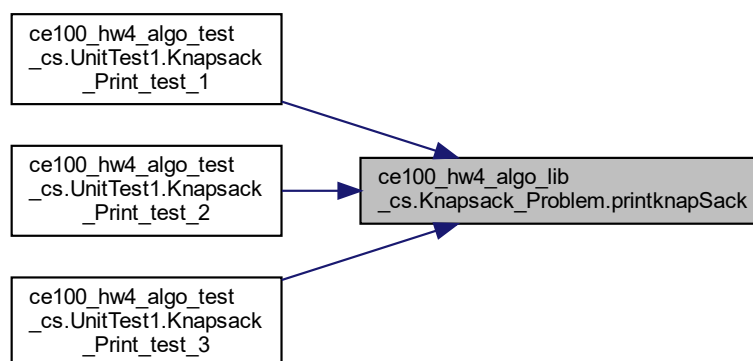
5.4.1.3 printknapSack()

```

static int ce100_hw4_algo_lib_cs.Knapsack_Problem.printknapSack (
    int W,
    int[] wt,
    int[] val,
    int n ) [inline], [static]
  
```

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.Knapsack_Print_test_1\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.Knapsack_Print_test_2\(\)](#) and [ce100_hw4_algo_test_cs.UnitTest1.Knapsack_Print_test_3\(\)](#).

Here is the caller graph for this function:



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

- [C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-lib-cs/Class1.cs](#)

5.5 ce100_hw4_algo_lib_cs.SCC_Problem Class Reference

SCCProblem (SCC Function)

SCC Function

SCC Function

Parameters

in	v	[int] v
----	---	---------

- int [V](#)
- [LinkedList](#)< int >[] [adj](#)
- int [Time](#)
- void [addEdge](#) (int v, int w)
- [SCC_Problem](#) (int v)
- void [SCCUtil](#) (int u, int[] low, int[] disc, bool[] stackMember, [Stack](#)< int > stack)
- int [SCC](#) ()

5.5.1 Constructor & Destructor Documentation

5.5.1.1 SCC_Problem()

```
ce100_hw4_algo_lib_cs.SCC_Problem.SCC_Problem (
    int v ) [inline]
```

References [ce100_hw4_algo_lib_cs.SCC_Problem.adj](#), and [ce100_hw4_algo_lib_cs.SCC_Problem.V](#).

5.5.2 Member Function Documentation

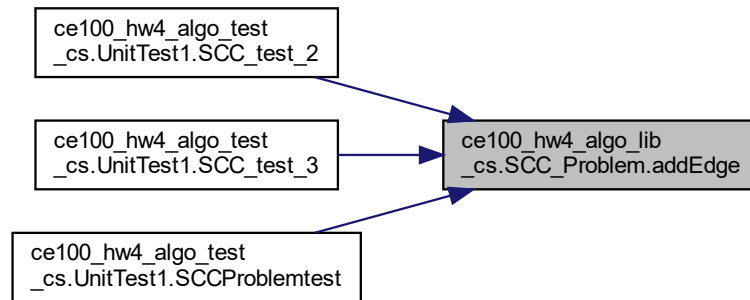
5.5.2.1 addEdge()

```
void ce100_hw4_algo_lib_cs.SCC_Problem.addEdge (
    int v,
    int w ) [inline]
```

References [ce100_hw4_algo_lib_cs.SCC_Problem.adj](#).

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.SCC_test_2\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.SCC_test_3\(\)](#), and [ce100_hw4_algo_test_cs.UnitTest1.SCCProblemtest\(\)](#).

Here is the caller graph for this function:



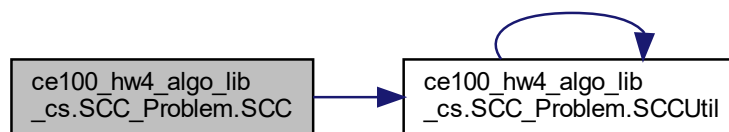
5.5.2.2 SCC()

```
int ce100_hw4_algo_lib_cs.SCC_Problem.SCC ( ) [inline]
```

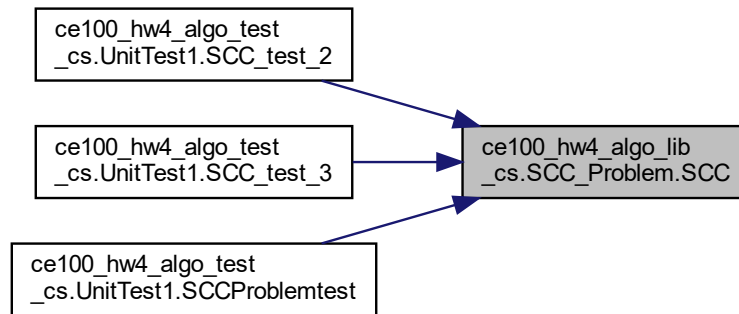
References [ce100_hw4_algo_lib_cs.SCC_Problem.SCCUtil\(\)](#), and [ce100_hw4_algo_lib_cs.SCC_Problem.V](#).

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.SCC_test_2\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.SCC_test_3\(\)](#), and [ce100_hw4_algo_test_cs.UnitTest1.SCCProblemtest\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



5.5.2.3 SCCUtil()

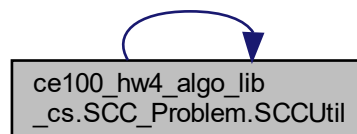
```

void ce100_hw4_algo_lib_cs.SCC_Problem.SCCUtil (
    int u,
    int[] low,
    int[] disc,
    bool[] stackMember,
    Stack< int > stack ) [inline]
  
```

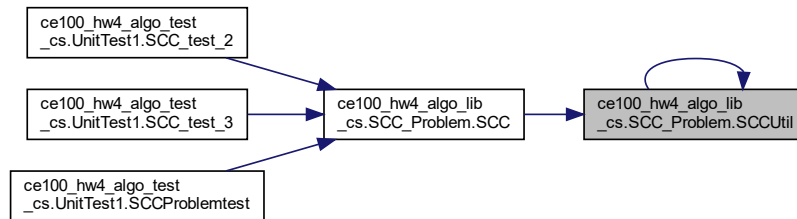
References [ce100_hw4_algo_lib_cs.SCC_Problem.adj](#), [ce100_hw4_algo_lib_cs.SCC_Problem.SCCUtil\(\)](#), and [ce100_hw4_algo_lib_cs.SCC_Problem.Time](#).

Referenced by [ce100_hw4_algo_lib_cs.SCC_Problem.SCC\(\)](#), and [ce100_hw4_algo_lib_cs.SCC_Problem.SCCUtil\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



5.5.3 Field Documentation

5.5.3.1 adj

```
LinkedList<int> [] ce100_hw4_algo_lib_cs.SCC_Problem.adj
```

Referenced by [ce100_hw4_algo_lib_cs.SCC_Problem.addEdge\(\)](#), [ce100_hw4_algo_lib_cs.SCC_Problem.SCC_Problem\(\)](#), and [ce100_hw4_algo_lib_cs.SCC_Problem.SCCUtil\(\)](#).

5.5.3.2 Time

```
int ce100_hw4_algo_lib_cs.SCC_Problem.Time
```

Referenced by [ce100_hw4_algo_lib_cs.SCC_Problem.SCCUtil\(\)](#).

5.5.3.3 V

```
int ce100_hw4_algo_lib_cs.SCC_Problem.V
```

Referenced by [ce100_hw4_algo_lib_cs.SCC_Problem.SCC\(\)](#), and [ce100_hw4_algo_lib_cs.SCC_Problem.SCC_Problem\(\)](#).

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

- [C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-lib-cs/Class1.cs](#)

5.6 ce100_hw4_algo_lib_cs.Topological_Sort_Problem Class Reference

Static Public Member Functions

- static void [_graph](#) (int v)
- static void [addedge](#) (int v, int w)

TopologicalSortUtil (Topological Sort Function)

Topological Sort Function

Topological Sort Function

Parameters

<i>in</i>	<i>v</i>	<i>[int]</i> <i>v</i>
<i>in</i>	<i>visited</i>	<i>[int]</i> <i>visited</i>
<i>in</i>	<i>stack</i>	<i>[int]</i> <i>stack</i>

- static void [TopologicalSortUtil](#) (int v, bool[] visited, Stack< int > stack)
- static string [TopologicalSort](#) ()

Static Public Attributes

- static int [V](#)
- static List< List< int > > [adjacency](#)

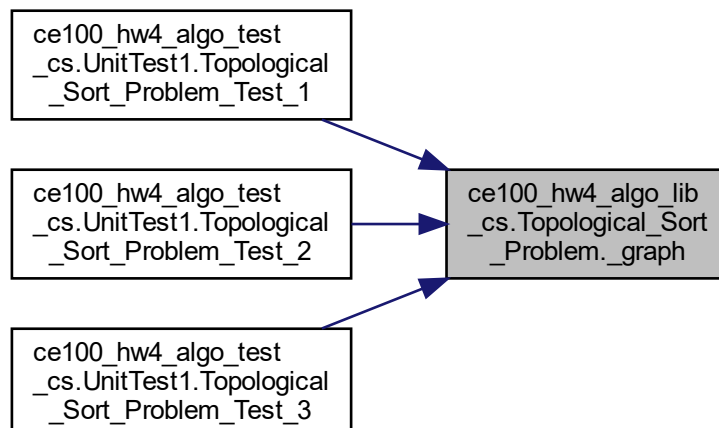
5.6.1 Member Function Documentation**5.6.1.1 _graph()**

```
static void ce100_hw4_algo_lib_cs.Topological_Sort_Problem._graph (
    int v ) [inline], [static]
```

References [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.adjacency](#), and [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.V](#).

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.Topological_Sort_Problem_Test_1\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.Topological_Sort_Problem_Test_2\(\)](#), and [ce100_hw4_algo_test_cs.UnitTest1.Topological_Sort_Problem_Test_3\(\)](#).

Here is the caller graph for this function:



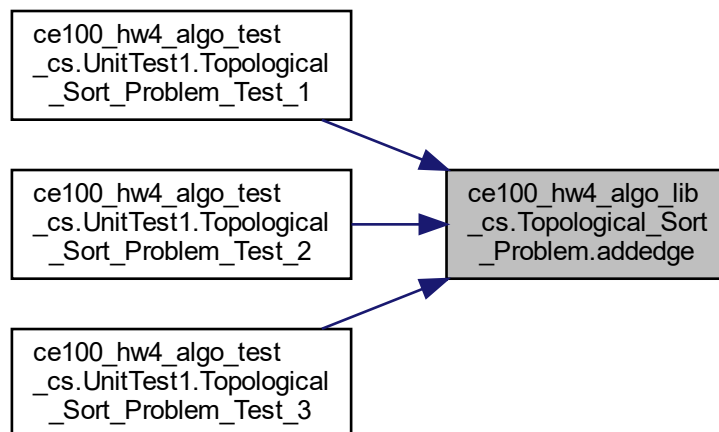
5.6.1.2 `addedge()`

```
static void ce100_hw4_algo_lib_cs.Topological_Sort_Problem.addedge (
    int v,
    int w ) [inline], [static]
```

References [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.adjacency](#).

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.Topological_Sort_Problem_Test_1\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.Topological_Sort_Problem_Test_2\(\)](#), and [ce100_hw4_algo_test_cs.UnitTest1.Topological_Sort_Problem_Test_3\(\)](#).

Here is the caller graph for this function:



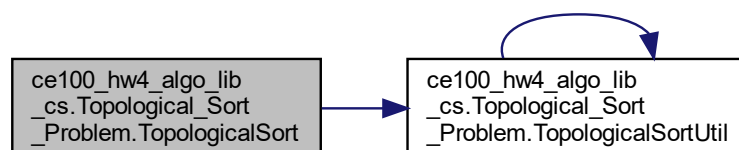
5.6.1.3 `TopologicalSort()`

```
static string ce100_hw4_algo_lib_cs.Topological_Sort_Problem.TopologicalSort ( ) [inline],
[static]
```

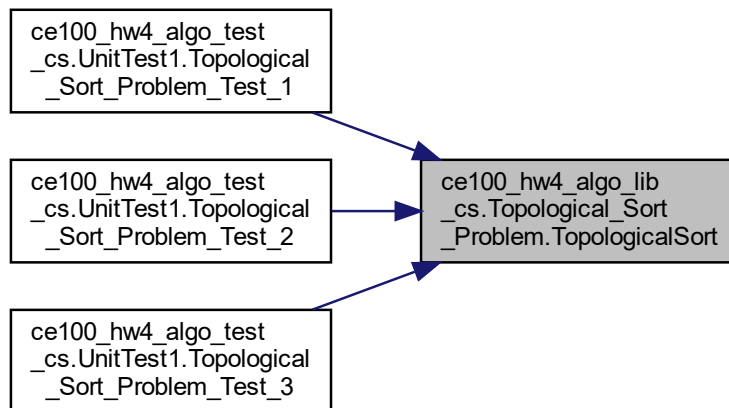
References [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.TopologicalSortUtil\(\)](#), and [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.adjacency](#).

Referenced by [ce100_hw4_algo_test_cs.UnitTest1.Topological_Sort_Problem_Test_1\(\)](#), [ce100_hw4_algo_test_cs.UnitTest1.Topological_Sort_Problem_Test_2\(\)](#), and [ce100_hw4_algo_test_cs.UnitTest1.Topological_Sort_Problem_Test_3\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



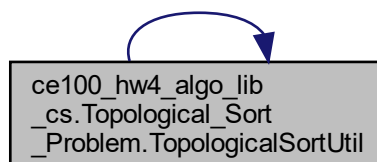
5.6.1.4 TopologicalSortUtil()

```
static void ce100_hw4_algo_lib_cs.Topological_Sort_Problem.TopologicalSortUtil (  
    int v,  
    bool[] visited,  
    Stack< int > stack ) [inline], [static]
```

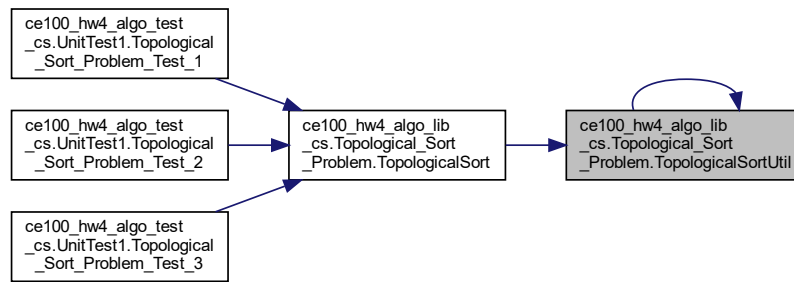
References [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.adjacency](#), and [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.T](#)

Referenced by [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.TopologicalSort\(\)](#), and [ce100_hw4_algo_lib_cs.Topological_Sort_P](#)

Here is the call graph for this function:



Here is the caller graph for this function:



5.6.2 Field Documentation

5.6.2.1 adjacency

```
List<List<int> > ce100_hw4_algo_lib_cs.Topological_Sort_Problem.adjacency [static]
```

Referenced by [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.graph\(\)](#), [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.add\(\)](#) and [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.TopologicalSortUtil\(\)](#).

5.6.2.2 V

```
int ce100_hw4_algo_lib_cs.Topological_Sort_Problem.V [static]
```

Referenced by [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.graph\(\)](#), and [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.add\(\)](#).

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

- [C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-lib-cs/Class1.cs](#)

5.7 ce100_hw4_algo_test_cs.UnitTest1 Class Reference

Public Member Functions

- void [Activity_Selection_Test_1](#) ()
- void [Activity_Selection_Test_2](#) ()
- void [Activity_Selection_Test_3](#) ()
- void [Knapsack_test_1](#) ()
- void [Knapsack_test_2](#) ()
- void [Knapsack_test_3](#) ()
- void [Knapsack_Print_test_1](#) ()
- void [Knapsack_Print_test_2](#) ()
- void [Knapsack_Print_test_3](#) ()
- void [BFS_test_1](#) ()
- void [BFS_test_2](#) ()
- void [BFS_test_3](#) ()
- void [DFS_test_1](#) ()
- void [DFS_test_2](#) ()
- void [DFS_test_3](#) ()
- void [Topological_Sort_Problem_Test_1](#) ()
- void [Topological_Sort_Problem_Test_2](#) ()
- void [Topological_Sort_Problem_Test_3](#) ()
- void [SCCProblemtest](#) ()
- void [SCC_test_2](#) ()
- void [SCC_test_3](#) ()

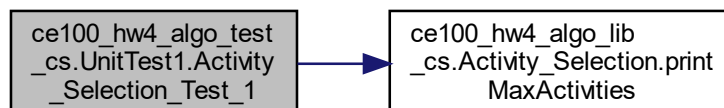
5.7.1 Member Function Documentation

5.7.1.1 Activity_Selection_Test_1()

```
void ce100_hw4_algo_test_cs.UnitTest1.Activity_Selection_Test_1 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.Activity_Selection.printMaxActivities\(\)](#).

Here is the call graph for this function:

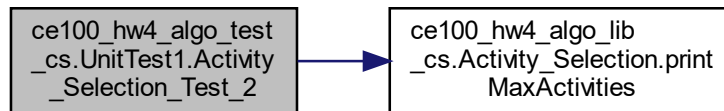


5.7.1.2 Activity_Selection_Test_2()

```
void ce100_hw4_algo_test_cs.UnitTest1.Activity_Selection_Test_2 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.Activity_Selection.printMaxActivities\(\)](#).

Here is the call graph for this function:

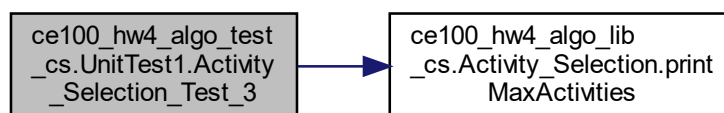


5.7.1.3 Activity_Selection_Test_3()

```
void ce100_hw4_algo_test_cs.UnitTest1.Activity_Selection_Test_3 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.Activity_Selection.printMaxActivities\(\)](#).

Here is the call graph for this function:

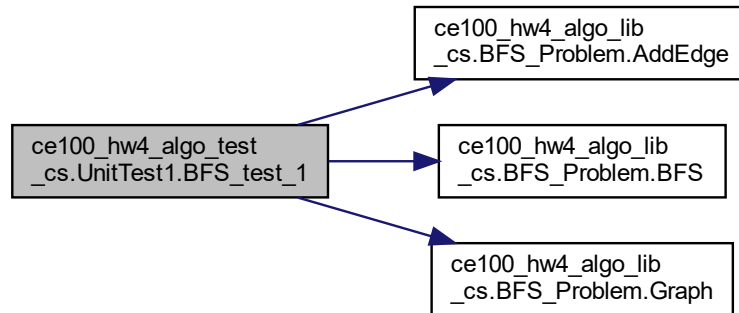


5.7.1.4 BFS_test_1()

```
void ce100_hw4_algo_test_cs.UnitTest1.BFS_test_1 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.BFS_Problem.AddEdge\(\)](#), [ce100_hw4_algo_lib_cs.BFS_Problem.BFS\(\)](#), and [ce100_hw4_algo_lib_cs.BFS_Problem.Graph\(\)](#).

Here is the call graph for this function:

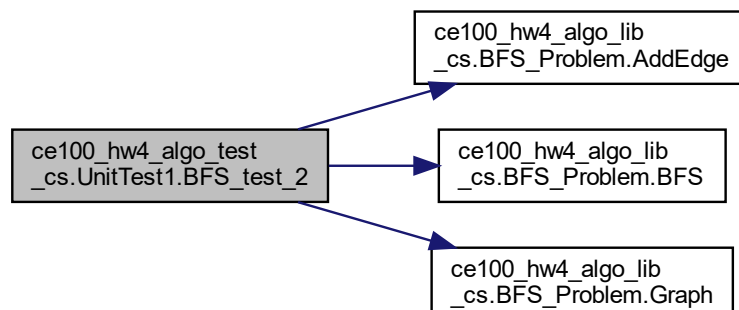


5.7.1.5 BFS_test_2()

```
void ce100_hw4_algo_test_cs.UnitTest1.BFS_test_2 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.BFS_Problem.AddEdge\(\)](#), [ce100_hw4_algo_lib_cs.BFS_Problem.BFS\(\)](#), and [ce100_hw4_algo_lib_cs.BFS_Problem.Graph\(\)](#).

Here is the call graph for this function:

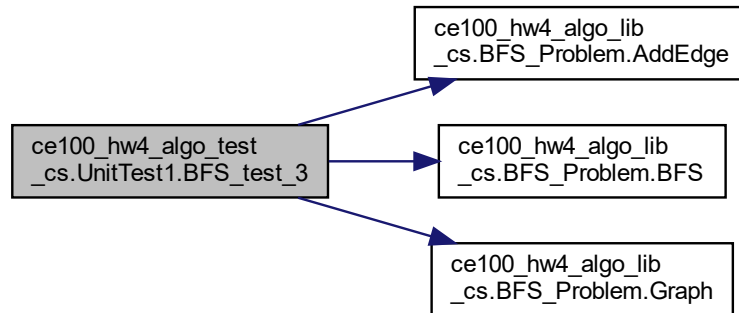


5.7.1.6 BFS_test_3()

```
void ce100_hw4_algo_test_cs.UnitTest1.BFS_test_3 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.BFS_Problem.AddEdge\(\)](#), [ce100_hw4_algo_lib_cs.BFS_Problem.BFS\(\)](#), and [ce100_hw4_algo_lib_cs.BFS_Problem.Graph\(\)](#).

Here is the call graph for this function:

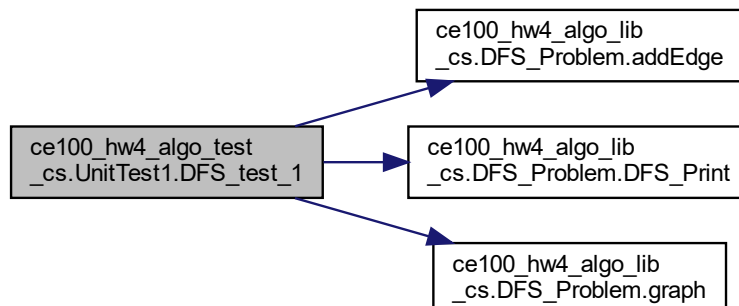


5.7.1.7 DFS_test_1()

```
void ce100_hw4_algo_test_cs.UnitTest1.DFS_test_1 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.DFS_Problem.addEdge\(\)](#), [ce100_hw4_algo_lib_cs.DFS_Problem.DFS_Print\(\)](#), and [ce100_hw4_algo_lib_cs.DFS_Problem.graph\(\)](#).

Here is the call graph for this function:

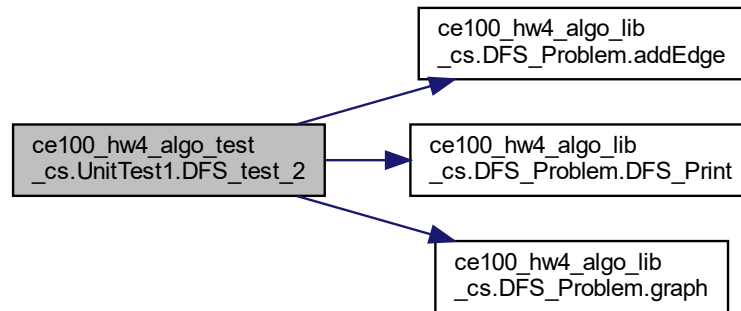


5.7.1.8 DFS_test_2()

```
void ce100_hw4_algo_test_cs.UnitTest1.DFS_test_2 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.DFS_Problem.addEdge\(\)](#), [ce100_hw4_algo_lib_cs.DFS_Problem.DFS_Print\(\)](#), and [ce100_hw4_algo_lib_cs.DFS_Problem.graph\(\)](#).

Here is the call graph for this function:

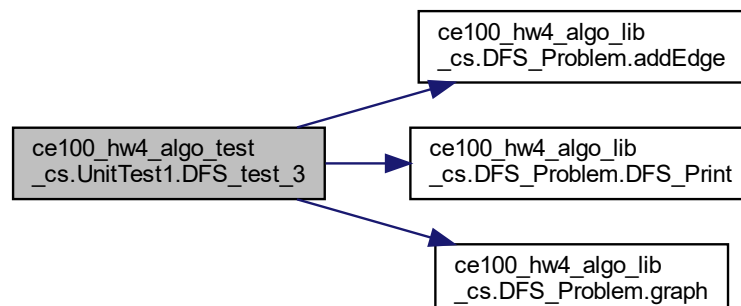


5.7.1.9 DFS_test_3()

```
void ce100_hw4_algo_test_cs.UnitTest1.DFS_test_3 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.DFS_Problem.addEdge\(\)](#), [ce100_hw4_algo_lib_cs.DFS_Problem.DFS_Print\(\)](#), and [ce100_hw4_algo_lib_cs.DFS_Problem.graph\(\)](#).

Here is the call graph for this function:

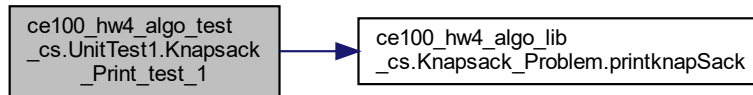


5.7.1.10 Knapsack_Print_test_1()

```
void ce100_hw4_algo_test_cs.UnitTest1.Knapsack_Print_test_1 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.Knapsack_Problem.printknapSack\(\)](#).

Here is the call graph for this function:

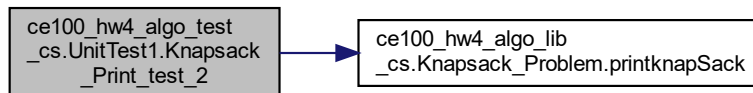


5.7.1.11 Knapsack_Print_test_2()

```
void ce100_hw4_algo_test_cs.UnitTest1.Knapsack_Print_test_2 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.Knapsack_Problem.printknapSack\(\)](#).

Here is the call graph for this function:



5.7.1.12 Knapsack_Print_test_3()

```
void ce100_hw4_algo_test_cs.UnitTest1.Knapsack_Print_test_3 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.Knapsack_Problem.printknapSack\(\)](#).

Here is the call graph for this function:

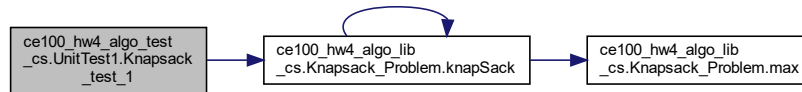


5.7.1.13 Knapsack_test_1()

```
void ce100_hw4_algo_test_cs.UnitTest1.Knapsack_test_1 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.Knapsack_Problem.knapSack\(\)](#).

Here is the call graph for this function:

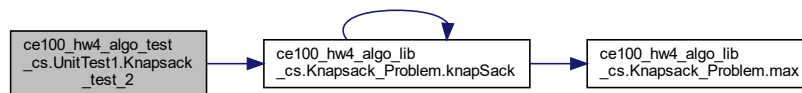


5.7.1.14 Knapsack_test_2()

```
void ce100_hw4_algo_test_cs.UnitTest1.Knapsack_test_2 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.Knapsack_Problem.knapSack\(\)](#).

Here is the call graph for this function:

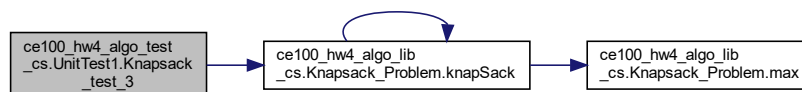


5.7.1.15 Knapsack_test_3()

```
void ce100_hw4_algo_test_cs.UnitTest1.Knapsack_test_3 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.Knapsack_Problem.knapSack\(\)](#).

Here is the call graph for this function:

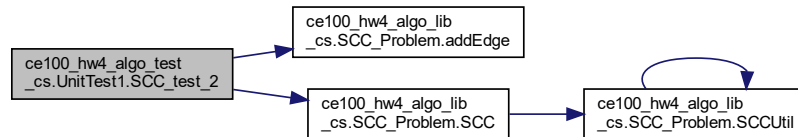


5.7.1.16 SCC_test_2()

```
void ce100_hw4_algo_test_cs.UnitTest1.SCC_test_2 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.SCC_Problem.addEdge\(\)](#), and [ce100_hw4_algo_lib_cs.SCC_Problem.SCC\(\)](#).

Here is the call graph for this function:

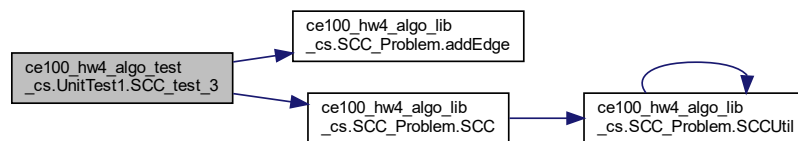


5.7.1.17 SCC_test_3()

```
void ce100_hw4_algo_test_cs.UnitTest1.SCC_test_3 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.SCC_Problem.addEdge\(\)](#), and [ce100_hw4_algo_lib_cs.SCC_Problem.SCC\(\)](#).

Here is the call graph for this function:

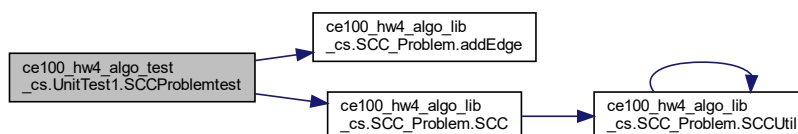


5.7.1.18 SCCProblemtest()

```
void ce100_hw4_algo_test_cs.UnitTest1.SCCProblemtest ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.SCC_Problem.addEdge\(\)](#), and [ce100_hw4_algo_lib_cs.SCC_Problem.SCC\(\)](#).

Here is the call graph for this function:

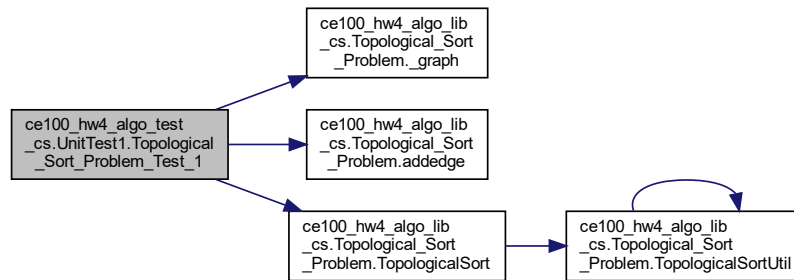


5.7.1.19 Topological_Sort_Problem_Test_1()

```
void ce100_hw4_algo_test_cs.UnitTest1.Topological_Sort_Problem_Test_1 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.Topological_Sort_Problem._graph\(\)](#), [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.addedge](#) and [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.TopologicalSort\(\)](#).

Here is the call graph for this function:

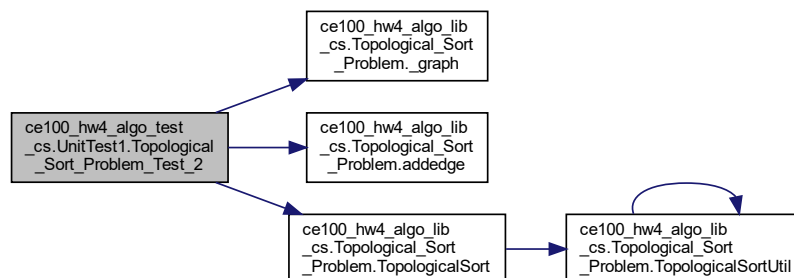


5.7.1.20 Topological_Sort_Problem_Test_2()

```
void ce100_hw4_algo_test_cs.UnitTest1.Topological_Sort_Problem_Test_2 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.Topological_Sort_Problem._graph\(\)](#), [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.addedge](#) and [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.TopologicalSort\(\)](#).

Here is the call graph for this function:

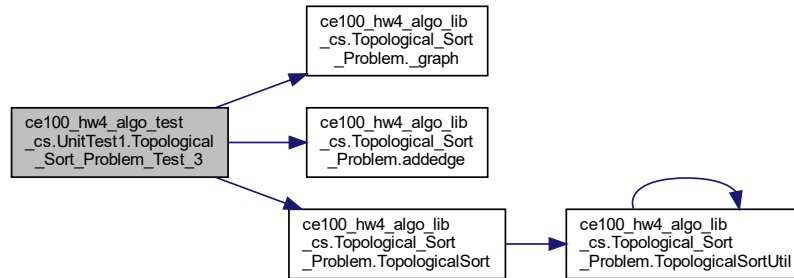


5.7.1.21 Topological_Sort_Problem_Test_3()

```
void ce100_hw4_algo_test_cs.UnitTest1.Topological_Sort_Problem_Test_3 ( ) [inline]
```

References [ce100_hw4_algo_lib_cs.Topological_Sort_Problem._graph\(\)](#), [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.addedge](#) and [ce100_hw4_algo_lib_cs.Topological_Sort_Problem.TopologicalSort\(\)](#).

Here is the call graph for this function:



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

- [C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-test-cs/UnitTest1.cs](#)

Chapter 6

File Documentation

6.1 C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-lib-cs/Class1.cs File Reference

Data Structures

- class [ce100_hw4_algo_lib_cs.Activity_Selection](#)
- class [ce100_hw4_algo_lib_cs.Knapsack_Problem](#)
- class [ce100_hw4_algo_lib_cs.BFS_Problem](#)
- class [ce100_hw4_algo_lib_cs.DFS_Problem](#)
- class [ce100_hw4_algo_lib_cs.Topological_Sort_Problem](#)
- class [ce100_hw4_algo_lib_cs.SCC_Problem](#)

Namespaces

- namespace [ce100_hw4_algo_lib_cs](#)

- 6.2** **C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-lib-cs/obj/↵
Debug/.NETFramework,Version=v4.8.AssemblyAttributes.cs File
Reference**
- 6.3** **C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-test-cs/obj/↵
Debug/.NETFramework,Version=v4.8.AssemblyAttributes.cs File
Reference**
- 6.4** **C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-lib-cs/Properties/↵
AssemblyInfo.cs File Reference**
- 6.5** **C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-test-cs/Properties/↵
AssemblyInfo.cs File Reference**
- 6.6** **C:/ce100-hw4-tayfun-cansiz/ce100-hw4-algo-test-cs/UnitTest1.cs File
Reference**

Data Structures

- class [ce100_hw4_algo_test_cs.UnitTest1](#)

Namespaces

- namespace [ce100_hw4_algo_test_cs](#)

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