```
LinksPlatform's Platform.Incrementers Class Library
   ./IIncrementer.cs
   namespace Platform. Incrementers
1
2
       /// <summary>
3
       /// <para>Defines an incrementer that increments any object.</para>
4
       /// <para>Определяет инкрементер, который выполняет приращение любого объекта.</para>
       /// </summary>
       public interface IIncrementer
           /// <summary>
9
           /// <para>Increments the object by a specific value.</para>
10
           /// <para>Выполняет приращение объекта на определённое значение.</para>
11
            /// </summary>
           void Increment();
13
       }
14
   }
15
1.2
    ./IIncrementer[TNumber].cs
   namespace Platform. Incrementers
1
2
       /// <summary>
3
       /// <para>Defines an incrementer that increments any number with a specific type.</para>
4
       /// <para>Определяет инкрементер, который выполняет приращение любого числа определенного
          типа.</para>
        /// </summary>
       /// <typeparam name="TNumber"><para>Туре of incremented number.</para><para>Тип
           увеличиваемого числа.</para></typeparam>
       public interface IIncrementer<TNumber>
            /// <summary>
10
            /// <para>Increments the number by a specific value.</para>
            /// <para>Увеличивает число на определённое значение.</para>
            /// </summary>
13
            /// <param name="number"><para>The number to be incremented.</para><para>Увеличиваемое
14
               число.</para></param>
            /// <returns><para>The incremented number.</para><para>Увеличенное
               число.</para></returns>
           TNumber Increment(TNumber number);
       }
17
   }
18
1.3
    ./Incrementer.cs
   using System.Runtime.CompilerServices;
   #pragma warning disable CS1591 // Missing XML comment for publicly visible type or member
   namespace Platform. Incrementers
5
        /// <remarks>
       /// Must be class, not struct (in order to persist access to Result field value).
       /// </remarks>
       public class Incrementer: IIncrementer
10
11
           protected ulong _result;
12
13
           public ulong Result => _result;
14
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
16
           public Incrementer(ulong initialValue) => _result = initialValue;
17
18
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
19
           public Incrementer() { }
21
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
           public void Increment() => _result++;
       }
24
   }
25
     ./Incrementer[TValue, TDecision].cs
   using System.Runtime.CompilerServices;
   #pragma warning disable IDE0060 // Remove unused parameter
   #pragma warning disable CS1591 // Missing XML comment for publicly visible type or member
   namespace Platform. Incrementers
       public class Incrementer<TValue, TDecision> : Incrementer
```

```
private readonly TDecision _trueValue;
10
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
12
            public Incrementer(ulong initialValue, TDecision trueValue) : base(initialValue) =>
13

    _trueValue = trueValue;

14
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
15
            public Incrementer(TDecision trueValue) => _trueValue = trueValue;
17
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
18
            public Incrementer() { }
19
20
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
21
            public TDecision IncrementAndReturnTrue()
22
23
                _result++;
24
                return _trueValue;
            }
27
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
28
            public TDecision IncrementAndReturnTrue(TValue value)
29
30
                _result++;
31
                return _trueValue;
32
            }
33
       }
34
   }
35
1.5
    ./Incrementer[TValue].cs
   using System.Runtime.CompilerServices;
   #pragma warning disable CS1591 // Missing XML comment for publicly visible type or member
3
   namespace Platform. Incrementers
       public class Incrementer<TValue> : Incrementer<TValue, bool>
7
8
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
9
            public Incrementer(ulong initialValue) : base(initialValue, true) { }
10
11
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
12
            public Incrementer() { }
13
        }
14
   }
```

15

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