```
void Loop(int N)
{
    var counter = 0;
    while(counter < N)
    {
        Console.WriteLine(counter);
        counter = counter + 1;
    }
}</pre>
```

Complexity (N):

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Complexity (*N*):

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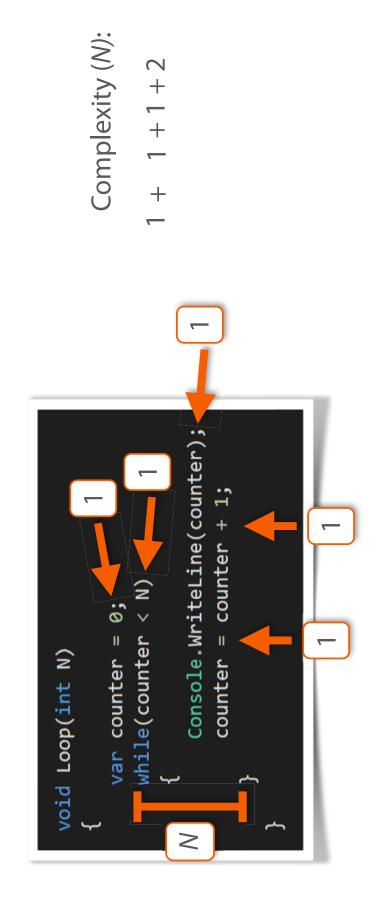
```
Complexity (N): 1 + 1
```

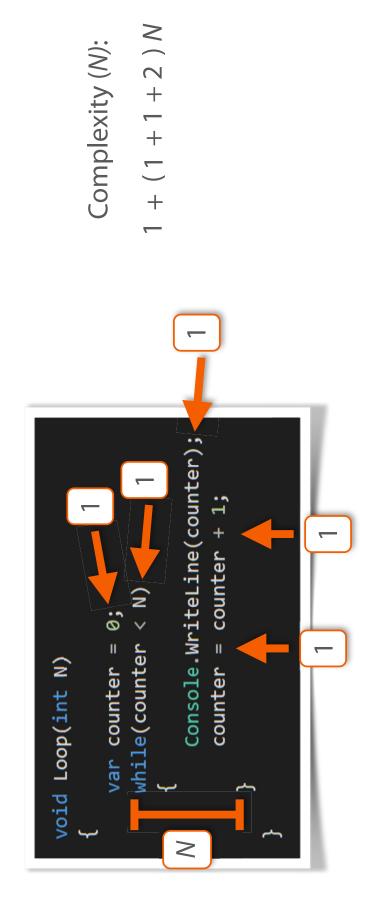
```
Complexity (N):
                                                                                                    Console.WriteLine(counter);
                                                                                                                          counter = counter + 1;
                                                             while(counter < N)
                                        var counter = 0;
void Loop(int N)
```

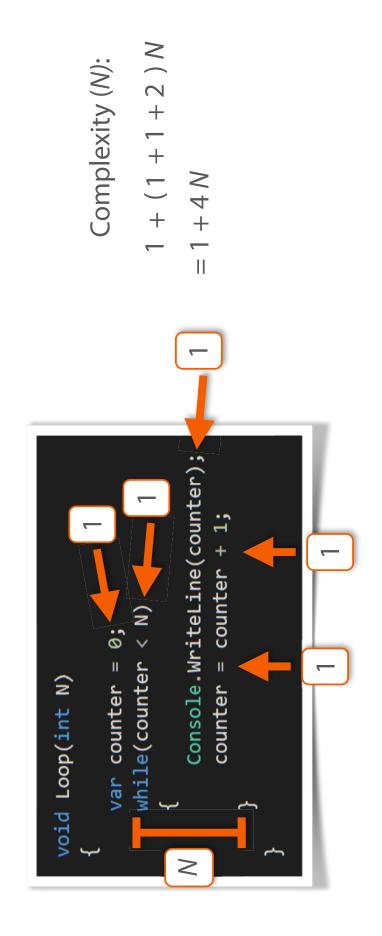
```
Complexity (N):
                                                            1 + 1 + 1
                                                                                         Console.WriteLine(counter);
                                                                                                              counter = counter + 1;
                                                       while(counter < N)
                                    var counter = 0;
void Loop(int N)
```

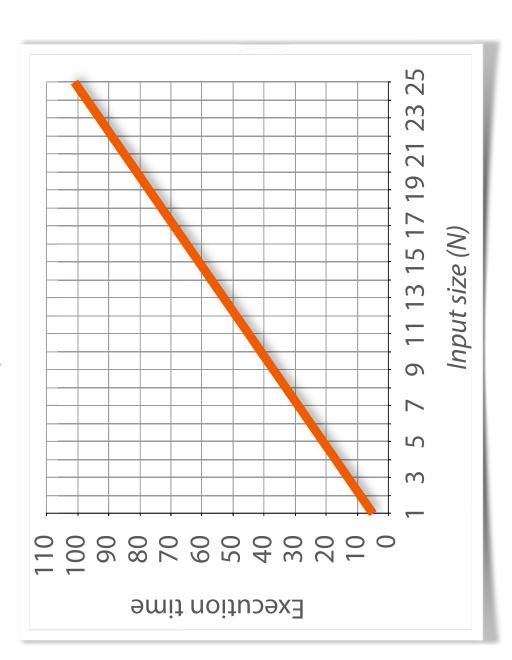
```
Complexity (N):
                                                             1 + 1 + 1
                                                                                          Console.WriteLine(counter);
                                                                                                               counter = counter + 1;
                                                       while (counter < N)
                                     var counter = 0;
void Loop(int N)
```

```
Complexity (N):
                                                           1 + 1 + 1 + 2
                                                                                          Console.WriteLine(counter);
                                                                                                               counter = counter + 1;
                                                       while (counter < N)
                                     var counter = 0;
void Loop(int N)
```









Complexity (*N*):

$$1 + (1 + 1 + 2) N$$

= 1 + 4 N