

## Calling method

### Testing method sameEnds

pass pass pass pass pass pass pass

	Arguments	Actual	Expected
pass	[1,2,3,4,1,2]	2	2
pass	[1,2,3,4,1]	1	1
pass	[1,2,3,4,1,2,3,4]	4	4
pass	[1,1,1,1,1,1]	3	3
pass	[1,1,1,1,1,1,1]	3	3
pass	[1,2,3,4]	0	0
pass	[]	0	0

## Student files

Numbers.java:

```

1  public class Numbers
2  {
3      /**
4       * Computes the length of the longest sequence that occurs in the
5       * start of the left half and the end of the right half of an
6       * array.
7       * @param values an array of integer values
8       * @return the length of the longest end sequence
9       */
10     public int sameEnds(int[] values)
11     {
12         int length = values.length;
13         int middle = length/2;
14         int lsstop = middle;
15         int rsstart = middle;
16         if (length % 2 == 1)
17         {
18             rsstart++;
19         }
20         while (lsstop > 0)
21         {
22             int matched = 0;
23             for (int i = 0; i < lsstop; i++)
24             {
25                 if (values[i] == values[rsstart + i])
26                 {
27                     matched++;
28                 }
29             }

```

```
30         if (matched == lsstop)
31         {
32             return matched;
33         }
34         else
35         {
36             lsstop--;
37             rsstart++;
38         }
39     }
40     return 0;
41
42
43     }
44 }
```

## Score

7/7

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