EX11. getLongestSequence (20 points)
Use the ForkJoin framework to write the following method in Java:

```java
public static int getLongestSequence(int val, int[] arr, int sequentialCutoff)

Returns the length of the longest consecutive sequence of val in arr.

For example, if arr is [2, 17, 17, 8, 17, 17, 17, 0, 17, 1], then
getLongestSequence(17, arr) == 3 and getLongestSequence(35, arr) == 0.
```

Your code must have $O(n)$ work, $O(\lg n)$ span, where $n$ is the length of arr, and actually use the sequentialCutoff argument. We have provided you with an extra class SequenceRange. We recommend you use this class as your return value, but this is not required.