Exercise 08

Parallel Practice I

Due Date: Monday August 12, 11:59 PM
We recommend you finish this exercise by: Wednesday August 7
Submit via your gitlab repository.

Use the ForkJoin framework to write the following method in Java:

```java
public static boolean hasOver(int val, int[] arr, int sequentialCutoff) Returns true if arr has any elements strictly larger than val.
```

For example, if arr is [21, 17, 35, 8, 17, 1], then
`hasOver(21, arr) == true` and `hasOver(35, arr) == false`.

Your code must have $O(n)$ work, $O(\log n)$ span, where $n$ is the length of arr, and actually use the sequentialCutoff argument.