

CSE 332 Summer 18

Exercise 08

Parallel Practice I

Due Date: Monday August 6, 11:59 PM

We recommend you finish this exercise by: Wednesday August 1

Submit via your gitlab repository.

Use the `ForkJoin` framework to write the following method in 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 $\mathcal{O}(n)$ work, $\mathcal{O}(\lg n)$ span, where n is the length of `arr`, and actually use the `sequentialCutoff` argument.