

CSE 332: Data Structures and Parallelism

Exercises (Parallelism)

Directions: *Submit your solutions using gitlab.*

EX10. `hasOver` (20 points)

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.