

CSE 332 Summer 18

Exercise 10

Parallel Practice III

Due Date: Monday August 6, 11:59 PM
Submit via your gitlab repository.

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

```
public static int getLeftMostIndex(char[] needle, char[] haystack, int
sequentialCutoff)
Returns the index of the left-most occurrence of needle in haystack (think of needle
and haystack as Strings) or -1 if there is no such occurrence.
```

For example, `getLeftMostIndex("cse332", "Dudecse4ocse332momcse332Rox") == 9` and
`getLeftMostIndex("sucks", "Dudecse4ocse332momcse332Rox") == -1`.

Your code must actually use the `sequentialCutoff` argument. You may assume that
`needle.length` is much smaller than `haystack.length`. A solution that solves overlap-
ping subproblems will be significantly cleaner and simpler than one that does not.