

Midterm exam: Part 2

CSE241

April 20, 2023

This is worth 20% of your midterm exam.

Makefiles are not required to be submitted. Only 1 .cc/.cpp file needs to be submitted.

1 Sub-array

Download the given `part2.cc` and modify it. The `find` function searches for a position within the larger array (**haystack**) to see if there is an instance of the smaller array (**needle**). If it does appear within the larger array, it returns an index as to where it was found. (If it occurs multiple times, it may return the index of *any* position where it is found). If it is *not* found within the larger array, the function returns -1.

To get full marks for this, you must implement `find` *recursively*, without using a loop. If you choose to implement the function iteratively (using loops), your maximum score is 4.

You get 1 mark for each of the 8 test cases passed.