

RecursiveCenter

Write a function, named "center", that takes two `const_iterator`s denoting a range in a `std::list` of ints. Your function should return the int that is at the center/middle of that range. For instance, if the iterators are the begin and end of a list of three elements, you should return the 2nd (1-th) element. You can assume that the range is always an odd number of elements (so there is an unambiguous center). Remember that with iterators that denote ranges, the end iterator is one past the last element. For this problem, you must use recursion to solve it (no loops allowed).

Put your code the files named "RecursiveCenter/header.hpp" and "RecursiveCenter/implementation.cpp".