

R-5.12

The method for determining if a sequence contains a given integer, k , can be done using a single parameter, which we can call `index`. The method would work like this—first a check would be done to see if `index` equals the size of the sequence. If so, then `false` is returned, since we have searched the entire sequence and k has not been found. Otherwise, we would return the result of whether `atRank(index)` equals k or whether this method with parameter `index + 1` was `true` (whether k was contained later in the sequence).