

Class 10 and HW5 CS 335 Sections M & R

Developments — which you should attempt before hand — to be sketched in class

1. Recursive and iterative procedures to decide whether an integer $n \geq 0$ is sorted.
(ie, whether its digits occur in non-decreasing order)
2. Recursive and iterative procedures to return the number formed from an integer $n \geq 0$ by sorting the digits of n .
 - insertion sort
 - selection sort
3. Recursive and iterative procedures which input integers $m \geq 0$ and $n \geq 0$ and which decide whether all the digits of m occur in n , in the same order.
4. Recursive and iterative procedures which input an integer $n \geq 0$ and a digit d and which return the number obtained from n by removing the leftmost occurrence of d .