Explanation   Lab 7

Name: Md. Mehedi Hasan Tanvir   ID: 22101107

#Task 1: Created an array of tupples from the input. Sorted it based on the 2nd index value of each tupple. Then selected based on the end time.

#Task 2! Here again we create an array and sort it based on the second values. Then we keep a mark array to keep track of assigned task's end time. also a tone array to know $ the tasks already assigned. ond a counter.

#Task 3: Here I'm using disjoint set data structure. and after every union I'm using path compression to set every child's parent value to their ultimate parent. Then I can simply get a set size by the number of same parent.