Online Test 2 Question 2

Due on 2020-12-01, 22:00 IST

Question 2

Here is a function `stablesortbad` that takes a list of pairs of integers as input and sorts them by the second coordinate in each pair. A *stable sort* preserves the order of pairs that have an equal second coordinate. This is not a stable sort. Provide an input for which `stablesortbad` produces an output that is not stably sorted. Your input should be a list of pairs of integers of the form [(i1,j1),(i2,j2),...,(in,jn)].

```
def stablesortbad(l):
  for j in range(len(l)-1):
    for i in range(len(l)-1):
      if l[i][1] >= l[i+1][1]:
        (l[i],l[i+1]) =  (l[i+1],l[i])
  return(l)
```

Open up the code submission box below and write your test case where you would normally paste your code. Your input should be a list of pairs of integers of the form [(i1,j1),(i2,j2),...,(in,jn)].

Sample Test Cases

	Input	Output
Test Case 1		`True`
Test Case 2		`True`

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

(/noc20_cs26/progassignment?name=130)

- **Online Test 2 Question 2 (/noc20_cs26/progassignment?name=133)**
- Online Test 2 Question 3 (/noc20_cs26/progassignment?name=135)
- Online Test 2 Question 4 (/noc20_cs26/progassignment?name=141)
- Online Test 2 Question 5 (/noc20_cs26/progassignment?name=142)
- Online Test 2 Question 6 (/noc20_cs26/progassignment?name=143)
- Online Test 2 Question 7 (/noc20_cs26/progassignment?name=145)
- Online Test 2 Question 8 (/noc20_cs26/progassignment?name=146)

Online Programming Test 1, 09 Mar 2021, 10:00-12:00 ()

Online Programming Test 2, 09 Mar 2021, 20:00-22:00 ()