Online Test 1 Question 2

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

Question 2

Here is a function `lexsortbad` that takes a list of pairs of integers as input and returns them in lexicographically sorted order (i.e., dictionary order). There is an error is this function. Provide an input for which `lexsortbad` produces an incorrect output. Your input should be a list of pairs of integers of the form `[(i1,j1),(i2,j2),...,(in,jn)]`.

```
def lexsortbad(l):
  for k in range(2):
    for j in range(len(l)-1):
      for i in range(len(l)-1):
        if l[i][k] > l[i+1][k]:
          (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.

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