hackerrank682 V

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printf("Too chaotic\n");

STATISTICS

Difficulty: Medium
Time Complexity: O(n)
Required Knowledge: Inversions
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```
return;
         }
      printf("%d\n",cnt);
      return;
 s Set by Shafaet_Ashraf
Problem Setter's code:
Python 2
  t = int(raw_input())
  for _ in range(t):
      n = int(raw_input())
      arr = map(int, raw_input().split())
      org = range(n+1)
      pos = range(n+1)
      cnt = [0]*(n + 1)
      ans = 0
      invalid = 0
      for i in xrange(n - 1, -1, -1):
              if invalid:
              # Get position where arr[i] should have been if no one bribed after this point
              # Get the position where arr[i] currently is.
              newp = i + 1
              # oldp != newp indicates that even after this point, bribes took place
              # counting the number of furthter bribes that took place to bring arr[i] to i
              while oldp != newp:
                  ans = ans + 1
                  # arr[i] is at the right of org[oldp + 1] in the given array
                  # that means org[oldp + 1] bribed arr[i] at some point
                  \# so increasing its count by 1
                  cnt[org[oldp + 1]] += 1
                  if cnt[org[oldp + 1]] > 2:
                      invalid = 1
                      break
                  # updating the original array to match the array after this bribe took place
                  org[oldp], org[oldp+1] = org[oldp+1], org[oldp]
                  \mbox{\tt\#} update the positions also due to the change
                  # caused by bribe that took place so far
                  pos[org[oldp]] = oldp
                  pos[org[oldp + 1]] = oldp + 1
                  oldp = oldp + 1
      if invalid:
          ans = "Too chaotic"
      print ans
```

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