[CS 11] Prac 1g – Suspense Sort

oj.dcs.upd.edu.ph/problem/cs11prac1g

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Points: 100 (partial)

Time limit: 15.0s

Memory limit: 1G

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Problem type

Allowed languages

~~NONE~~, py3

Problem Statement

You are working for the popular television station ABSGMA5. There are nn new shows in the pipeline, and you are tasked with deciding the order in which they will be broadcast every day.

Each show has an **interestingness level**, denoted by a nonnegative integer.

Of course, you are clever—you want the more interesting shows to appear later, so that people are forced to slog through the less interesting ones first, thereby maximizing the number of views!

More precisely, if xx and yy are shows, and xx is less interesting than yy, then xx must appear before yy.

Given the sequence of interestingness levels of the shows, what is the sequence of interestingness levels after the shows are arranged according to the rule above?

Hint: One way to sort a nonempty sequence of values is as follows:

1. Remove the minimum element.
2. Sort the rest of the elements.

3. Put the minimum in front.

Note: To *sort* is simply to arrange in nondecreasing order.

Task Details

Your task is to implement a function called `suspense_sort`. This function has a single parameter, a `tuple` of nn `int`s denoting the interestingness levels of the nn shows.

The function must return a `tuple` of nn `int`s as described in the problem statement.

Restrictions

For this problem:

- Assignment is allowed.
- Recursion is allowed.
- Up to 66 function definitions are allowed.
- Comprehensions are **disallowed**.
- `range` is **disallowed**.
- The `abs` symbol is now allowed.
- The source code limit is 10001000.

Example Calls

Example 1 Function Call

Copy

```
suspense_sort((3, 1, 4, 1, 5))
```

Example 1 Return Value

Copy

```
(1, 1, 3, 4, 5)
```

Constraints

- The function `suspense_sort` will be called at most 10001000 times.
- 0≤n≤1500 $\leq n \leq$ 150.

- Each interestingness level is an integer between 00 and 100100, inclusive.

Scoring

You get 100100 ❤️ points if you solve all test cases correctly.
Report an issue

Clarifications

No clarifications have been made at this time.