



Home <URL: <http://uva.onlinejudge.org/index.php>> ► Browse Problems

Root <URL: <index.php>>

[option=com_onlinejudge&Itemid=8&category=0>](#)

:: **Problem Set Volumes (100...1999)** <URL:

<index.php>?

[option=com_onlinejudge&Itemid=8&category=1>](#)

:: **Volume 1 (100-199)** <URL: <index.php>?

[option=com_onlinejudge&Itemid=8&category=3>](#)

[option=com_onlinejudge&Itemid=8&page=submit_problem&pro](#)



PDF

<URL: <external/1/103.pdf>>



Sta

[option=com_onlinejudge&Itemid=8&page=problem_stats&pro](#)

103 - Stacking Boxes

Time limit: 3.000 seconds

The Output

For each box sequence in the input file, output the length of the longest nesting string on one line followed on the next line by a list of the boxes that comprise this string in order. The ``smallest" or ``innermost" box of the nesting string should be listed first, the next box (if there is one) should be listed second, etc.

The boxes should be numbered according to the order in which they appeared in the input file (first box is box 1, etc.).

If there is more than one longest nesting string then any one of them can be output.

Sample Input

```
5 2
3 7
8 10
5 2
9 11
21 18
8 6
5 2 20 1 30 10
23 15 7 9 11 3
40 50 34 24 14 4
9 10 11 12 13 14
31 4 18 8 27 17
44 32 13 19 41 19
1 2 3 4 5 6
80 37 47 18 21 9
```

