

# Notification

- Please DO NOT ask any questions which are unrelated to the problem statement via pc2 clarification but, instead, contact the technicians.
- The time limit for each problem is specified but would never be published. It is guaranteed that all the time limits are more than 5 times of standard solutions respectively.
- The stack size of the computer for both contestants and judges had been set to **128 MB**.
- In problem D (WinMine.exe):
  - (a) The upper bound of w (the number of mines) should be 1500, rather than 1000 in the problem statement.
  - (b) There is another (the third) constraint about the initial state of board: for any pair of unrevealed squares A and B, if A and B are both adjacent to a connected component S, where S is a connected area consisting of only squares with **positive** numbers, then A and B can always be connected by unrevealed squares. For example, the following board contradicts this constraint due to the disconnection of squares on row 7 column 3 and row 8 column 4:

```
000000011.  
11000001..  
.1000002..  
11000001..  
0000000111  
0111000000  
01.3221100  
012....100  
0012221100  
1100001110  
.100001.10
```

, whereas the following one is acceptable:

```
..10000000  
2210011100  
000001.100  
000001.100  
000011.221  
00001.....  
01122.....  
12.....  
.....  
.....
```