

Converging Maze: Largest Sum Cycle 1.0



- 1 Converging Maze: Maxim
- 2 Converging Maze: Largest Sum Cycle 1.0
- 3 Converging Maze: Nearest Exit

Problem Description

You are given a maze with N cells. Each cell may have multiple entry points but not more than one exit (ie. entry/exit points are unidirectional doors like valves).

The cells are named with an integer value from 0 to N-1.

Function Description:

The sum of the largest sum cycle in the maze. Return -1 if there are no cycles. Sum of a cycle is the sum of node number of all nodes in that cycle.

INPUT FORMAT

- 1 An integer T, denoting the number of testcases, followed by 2T lines, as each testcase will contain 2 lines.
- 2 The first line of each testcase has the number of cells N.
- 3 The second line of each testcase has a list of N values of the edge[] array. edge[i] contains the cell number that can be reached from cell 'i' in one step. edge[i] is -1 if the 'i'th cell doesn't have an exit.

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OUTPUT Required full-screen mode

For each test case, print the sum of the largest sum cycle in the maze. Return -1 if there are no cycles.

SAMPLE

1
23
4 4 1 4 13 8 1

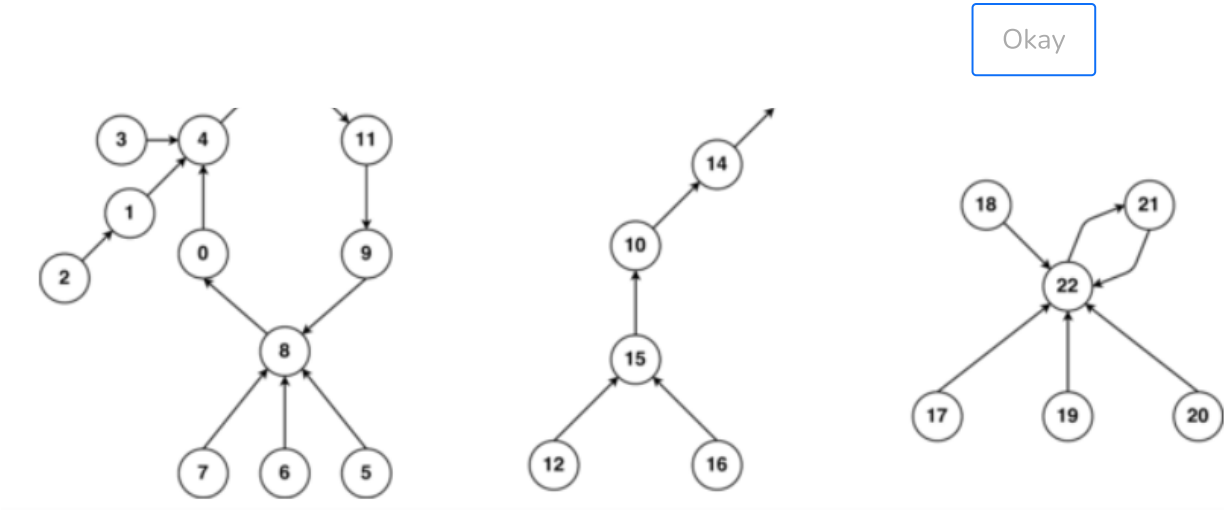
You are required to attempt this test in Fullscreen mode. Please click ok to continue with the test.

You should not disable Fullscreen mode after you continue with the test, else it will reflect in you assessment report.

SAMPLE

45

Note : Do not try to switch tabs using keyboard shortcuts. That may result in blockage to enter the test in full screen.



Okay

Close

Not attempted # Attempted

Mark for review

Std Input

+

Std Output

+

Need help ?