Category: Medium

Competition: CSI KJSCE Code Wars 2017-18: 1 day competitive coding competition. For trying the question in competition:

<https://www.hackerrank.com/contests/codewars2-warmup/challenges/hills-and-depressions>

Concepts Tested:

1. Understanding and visualising the 3D scenario
2. Use of recursion or disjoint subsets depending on the approach used to solve the problem
3. Deriving the conditions from a scenario
4. Rigorous testing of highly nested code’s is needed hence the code’s readability and reliability must be maintained.
5. Very large number of variations in cases (nearly all provided in the question) makes finding a correct algorithm very difficult.
6. Rigorous use of 2D matrices