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/business-startup>

Concepts Tested:

1. Understanding of binary search for non-array structures
2. Use of graphs and basic visualising tools maybe needed. Contestants may use their knowledge about mathematical functions to observe the nature of the equations provided.
3. Ability to analyse the situation and understand the cases that may arise

Expected inefficient answer:

The contestants may try to use simple iterations to solve the problem but the number of cases are so high that it maybe inefficient and the online judge in the competition will give a TLE (Time Limit Exceeded).