Codeforces :: Daily Practice

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[+] E. Sink
You are given an n x m grid of integers. A cell is a sink if it has a hole or is adjacent to another sink with a value not greater than itself. The beauty of the grid is the minimum number of holes needed so that all cells become sinks. After each query decreasing a cell value, recompute the beauty.

-> https://codeforces.com/contest/2158/problem/E

[+] F1. Distinct GCDs (Easy Version)
For a given n (n ≤ 700), construct any sequence such that all values gcd(a[i], a[i+1]) are pairwise distinct. A solution is guaranteed to exist.

-> https://codeforces.com/contest/2158/problem/F1

[+] F2. Distinct GCDs (Hard Version)
Same task as F1, but with much larger constraints. You must still construct a sequence whose adjacent GCDs are all distinct.

-> https://codeforces.com/contest/2158/problem/F2