Silver problem list

Binglun Wang

University College London

25 Feb, 2023

Q1

- http://usaco.org/index.php?page=viewproblem2&cpid=1278

Q1

- `http://usaco.org/index.php?page=viewproblem2&cpid=1278`
- Denote $a, b, c, ..., z, A, ..., Z$ as nodes. Add edges $[s, t]^T$

Q2

- http://www.usaco.org/index.php?page=viewproblem2&cpid=1110

Q2

- `http://www.usaco.org/index.php?page=viewproblem2&cpid=1110`
- Each degree $= 3$ node needs to add a unique node.

Q1

- http://www.usaco.org/index.php?page=viewproblem2&cpid=643

Q1

- `http://www.usaco.org/index.php?page=viewproblem2&cpid=643`
- If only one case?

Q2

- http://www.usaco.org/index.php?page=jan20results

Q2

- `http://www.usaco.org/index.php?page=jan20results`
- $$\forall n \in \mathbb{N}_+, \left| \lfloor \frac{n}{d} \rfloor \mid d \in \mathbb{N}_+, d \leq n \right| \leq \lfloor 2\sqrt{n} \rfloor \qquad (1)$$

Q1

- http://www.usaco.org/index.php?page=viewproblem2&cpid=1280

Q1

- `http://www.usaco.org/index.php?page=viewproblem2&cpid=1280`
- we construct LR to make peak to flat.

Q2

- http://www.usaco.org/index.php?page=viewproblem2&cpid=1184

Q2

- `http://www.usaco.org/index.php?page=viewproblem2&cpid=1184`
- Denote Cereal as nodes. Edges with weight - index of cows, direction - priority