



Princeton Computer Science Contest – Fall 2021

Problem 0 Solution: Climbing the Corporate Ladder

By Nalin Ranjan

Hopefully this was a nice warm-up to get you familiarized with the HackerRank interface. The insight, as essentially all of you found out, was that you didn't have to check every subset of workers and see which subset was optimal for her to fire. She should, instead, fire a worker and replace them with a machine if and only if the machine's productivity is higher than the worker's productivity. So all you need is one loop!

Plaudits

- Yuping Luo (grad), Danny Chen (grad), and Dingli Yu (grad), for submitting the fastest solution in 1 minute and 55 seconds!
- Andrew Tao, Aditya Mehta, and Liam Esparraguera for submitting the fastest undergrad solution, at 2 minutes and 35 seconds!

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