

Approach

1. Read all lines and save them in the Master actor
2. The worker cracks hints by generating all permutations of the hint alphabet (e.g. ABC) by leaving one out (e.g. [AB, BC, AC]). We do this, because a hint permutation can be valid for different lines
3. Using the hints, we build the actual password alphabets
4. On the worker, we generate all possible passwords using the password alphabet and with the given length. The resulting hash is matched against the password hash. As soon as we find the solution, the master collects the cracked password.

Reading batches

1 Task per batch

Cracking Hints

1 Task per hint alphabet
= |Password|

Cracking Passwords

1 Task per password
line

Actor Overview



