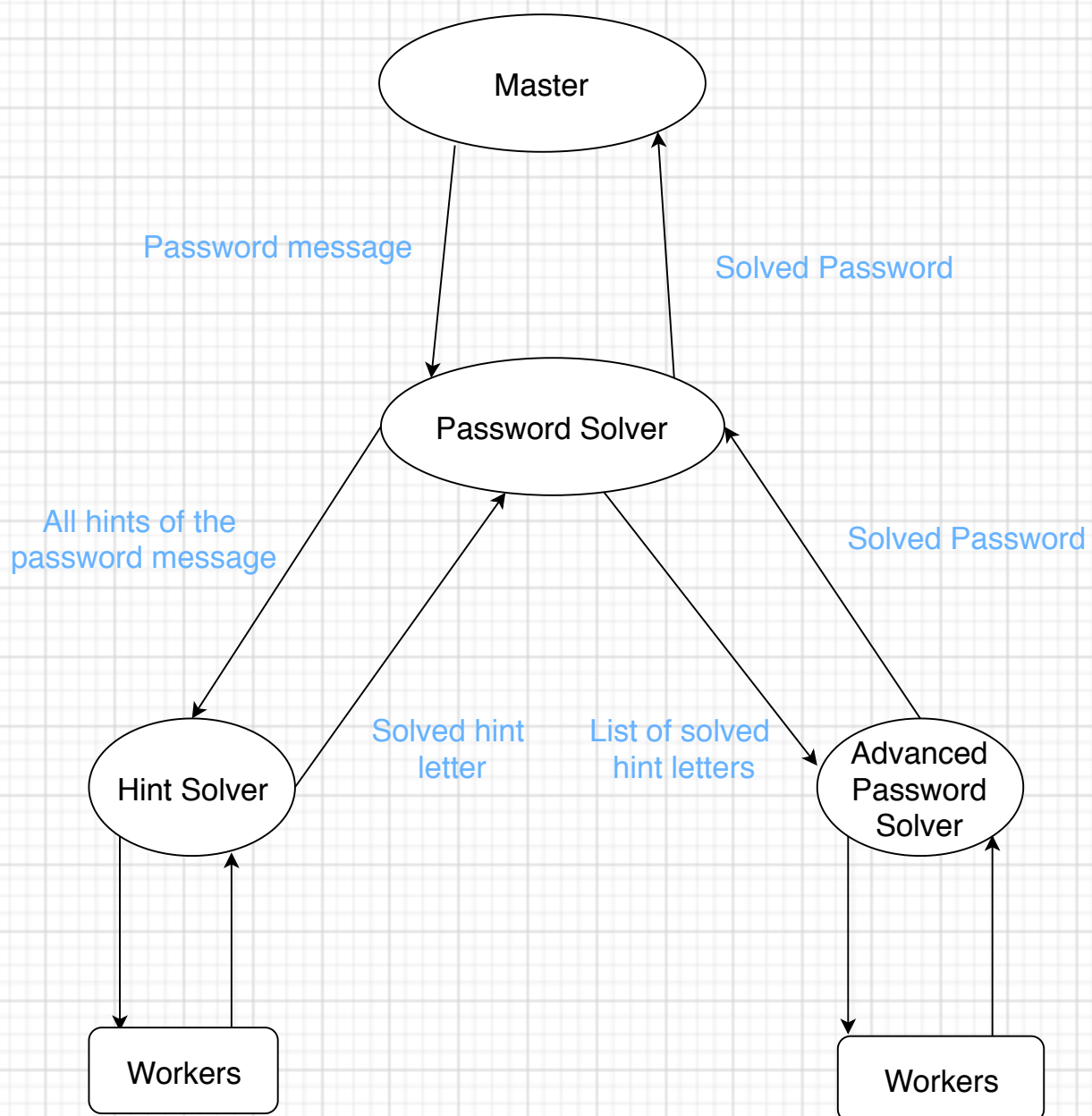# Password Cracking homework
Wild Catz group

Master gets all the data, puts it to the packages and sends it password by password to the Password Solver. Master also generates all the possible permutations of hints.
Hint Solver actor manages workers which crack the hints. When all the hint cracking is done for the password, Advanced Password Solver actor takes care of workers which crack the password using the hints. The password is returned to the master and other password is provided to the system to solve.

Master

Password message

Solved Password

Password Solver

All hints of the password message

Solved hint letter

List of solved hint letters

Solved Password

Hint Solver

Advanced Password Solver

Workers

Workers

- Hash the permutations of possible hints
- Compare them to the list of hints
- Return the permutations which match

- Hash the permutations of possible passwords
- Compare them to the hashed password
- Return the password which matches