

Password Cracking

Master State

PWs working on
packages to be assigned
packages waiting
Packages assigned

PWs with list of hints so far
PW or hint
PW without all hints solved
Dict < worker : package >

Master Behavior

When out of packages

- Get csv entry
- Deassemble in hints and PW
- Make respective entry in PWs working on with hints so far
- Put pw in packages waiting
- put hint in packages to be assigned
- while free workers: assign package from packages to be assigned

Getting result

- hint:
 - add to hints in PWs working on
 - if all hints solved: put respective PW package in packages to be assigned (at front)
- PW:
 - send to collector
 - if all PWs solved: terminate

Worker terminates

- delete from packages assigned
- put back in packages to be assigned (at front)