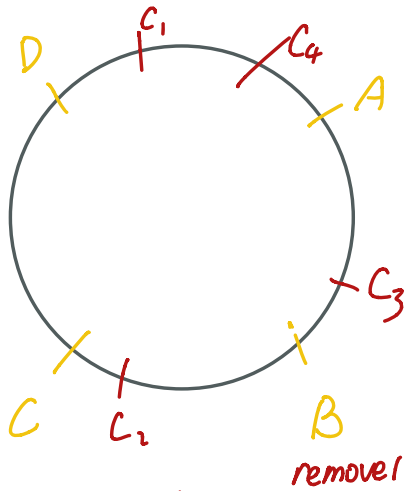
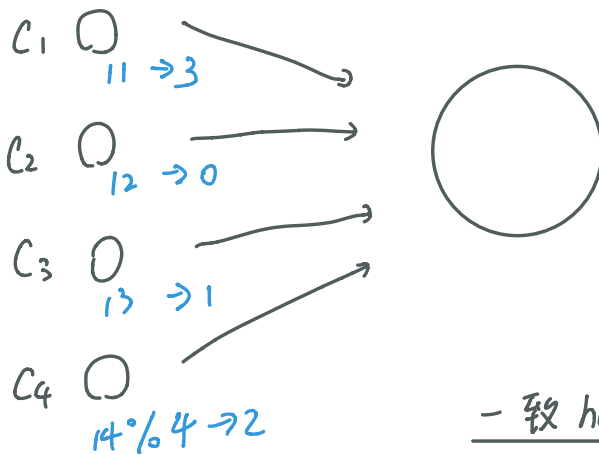


Problem: 如果 server cache 了, Load Balancer 用 round robin - 一直 rotate, 那 cache 了结果的 server 可能一直拿不到.

Consistency Hashing: a function that takes in a specific data type, and (output number), minimize the number of keys that need to be remapped when a hash table gets resized.



- 一致 hashing. (Consistency Hashing)

(Use hash function) to build a consistency mapping
Putting server in a cycle.

only n/m many keys are to be remapped

main idea is to use a hash function to map
both objects and the server onto a unit cycle.

Each object is assigned to the next server that
appears on the cycle

when an object is added, only that object needs to be changed

Renderous Hashing. for every username, rank each server, then we pick the
highest ranking server.