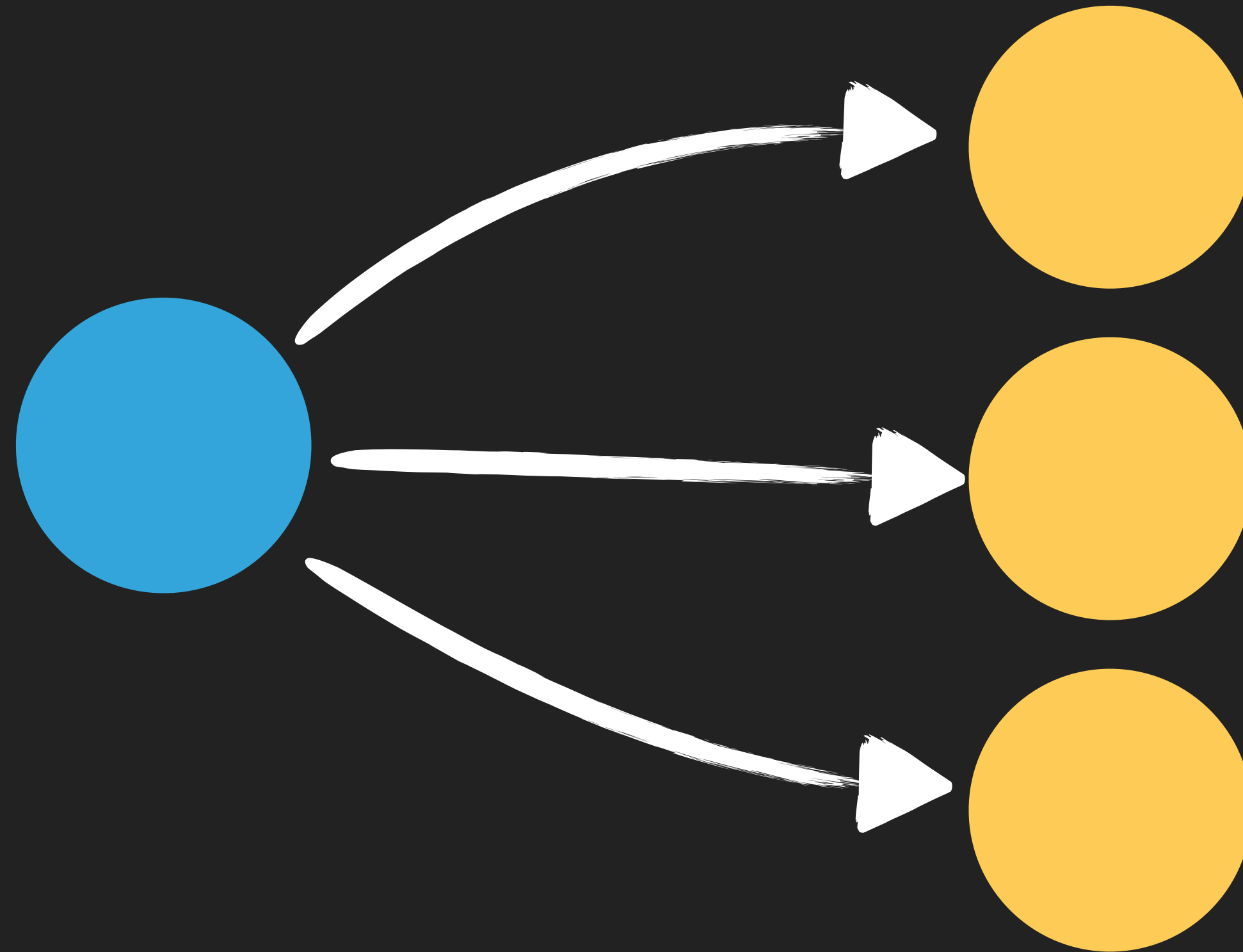
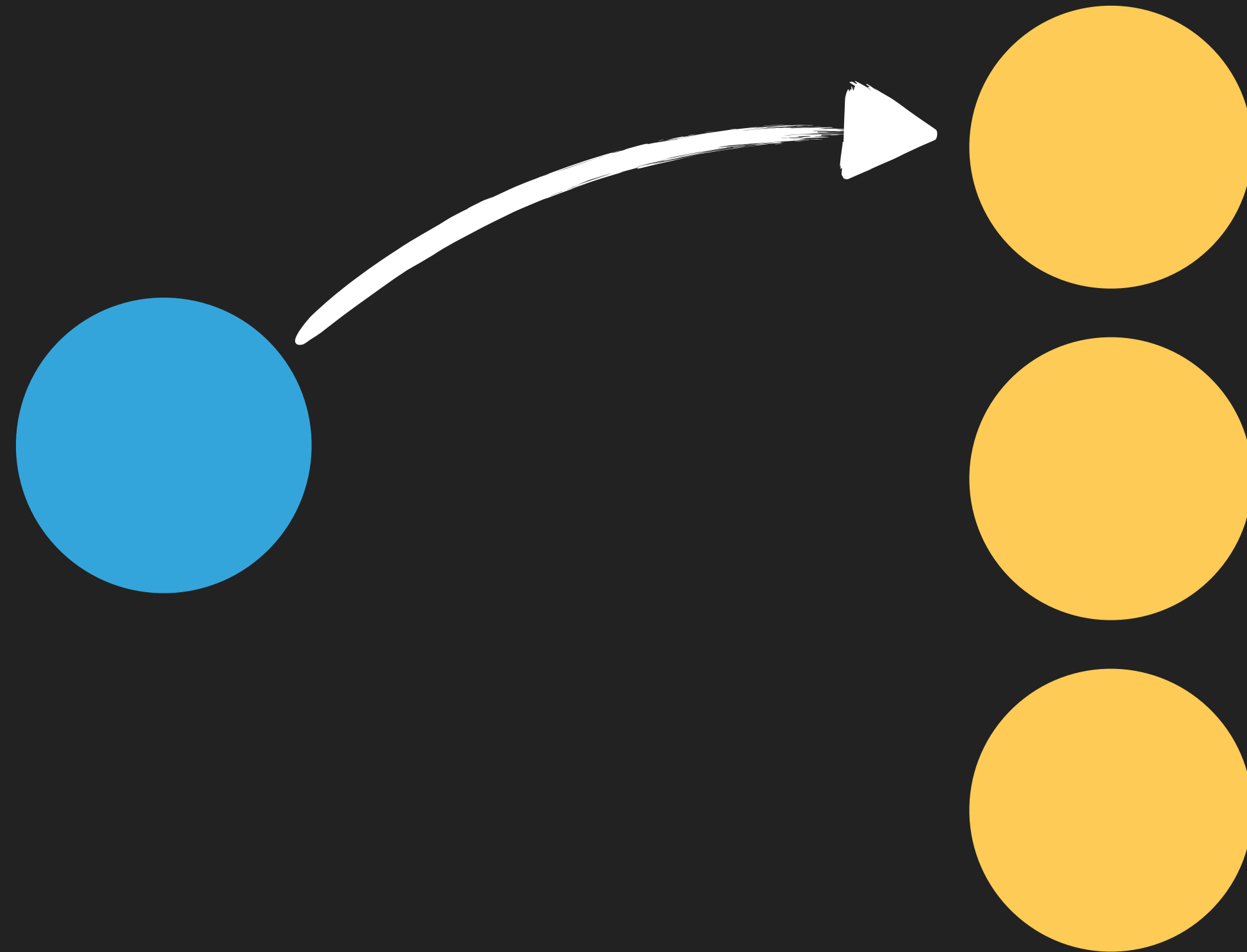


CONSISTENT HASHING

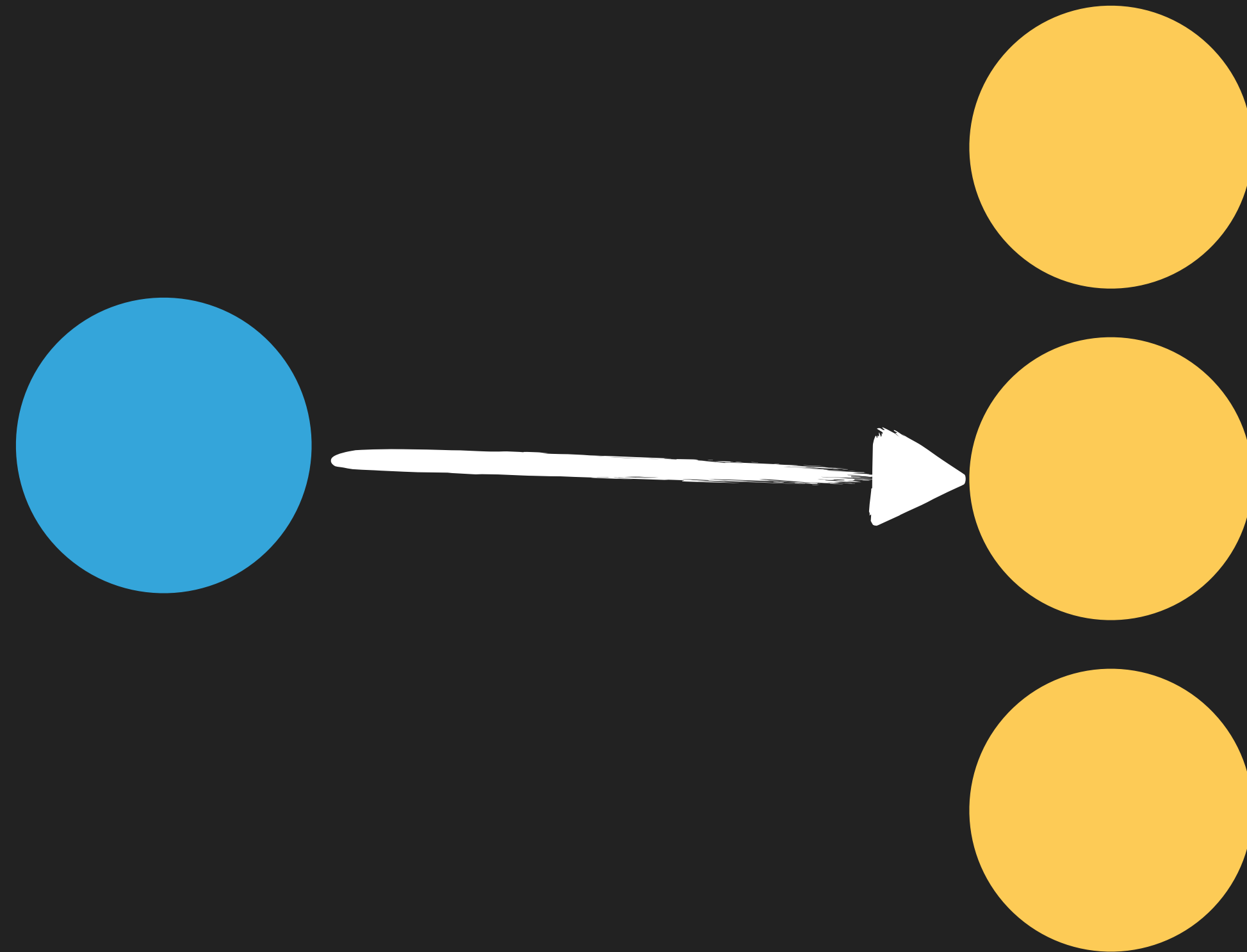
FULL REPLICATION



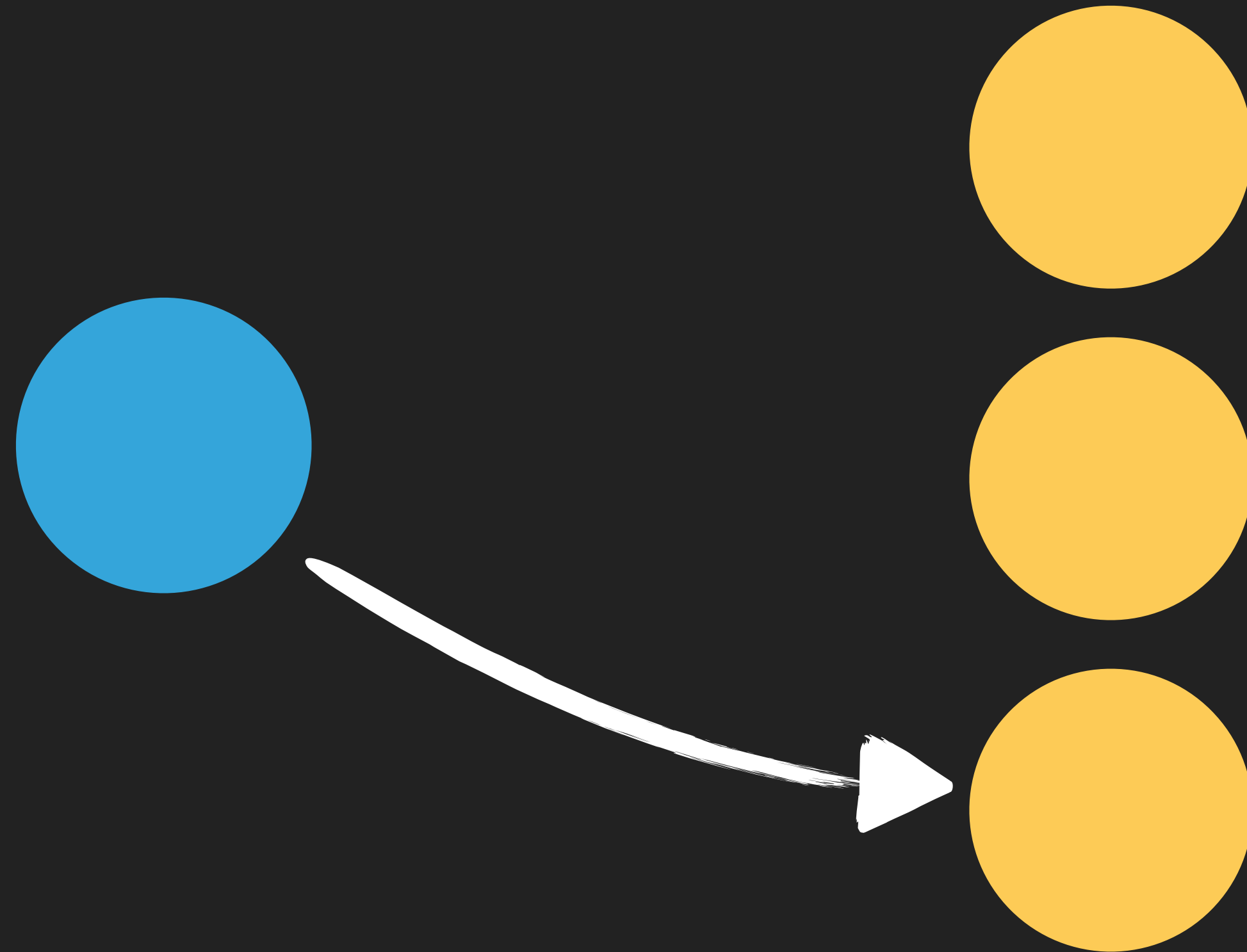
PARTIAL REPLICATION



PARTIAL REPLICATION



PARTIAL REPLICATION



CONSISTENT HASHING

$\text{to_i}(\text{item}) \% \text{node_count}$

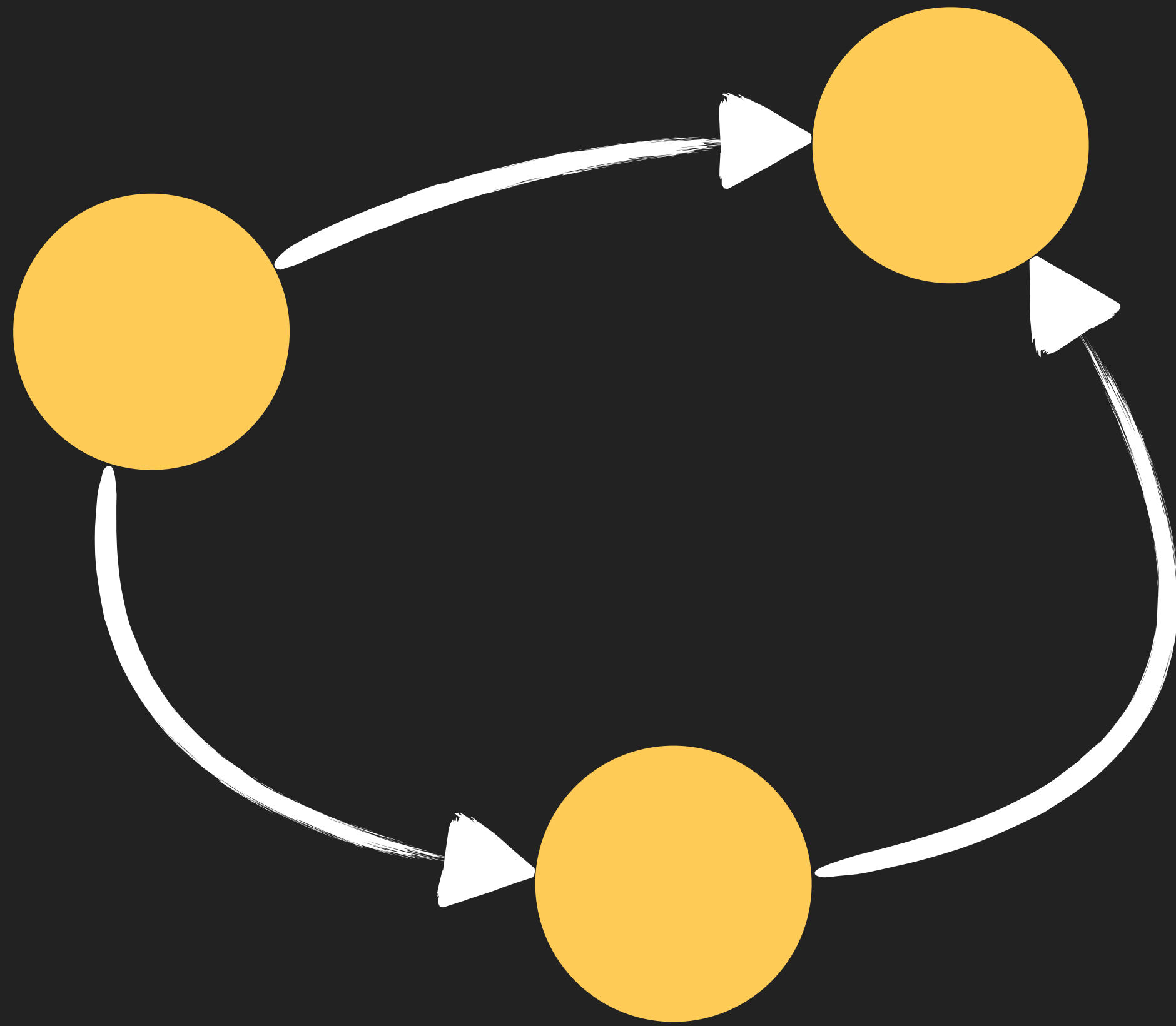
CONSISTENT HASHING

github.com/discordapp/ex_hash_ring

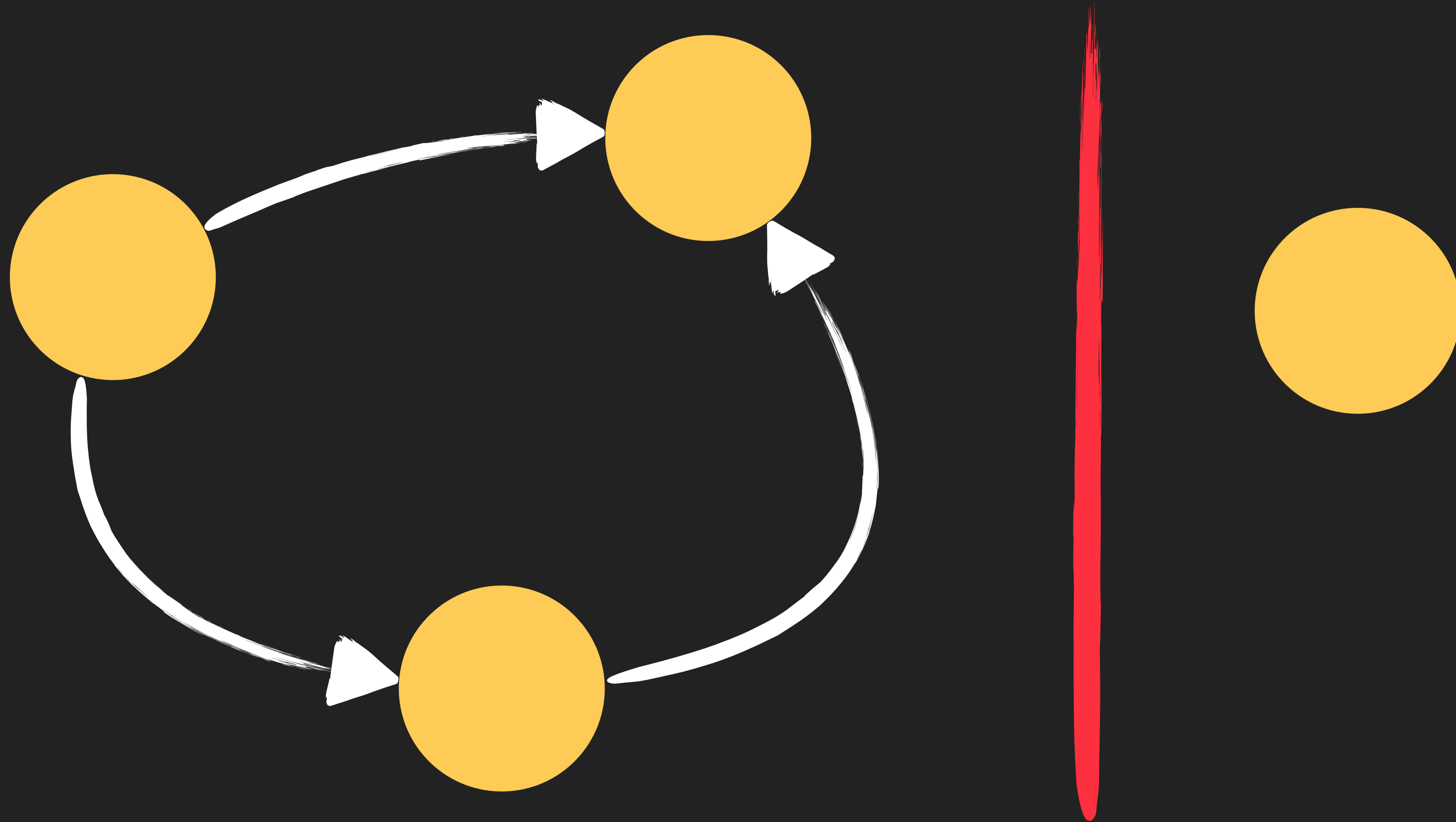
CONSISTENT HASHING

When do we rebuild the hash ring?

CONSISTENT HASHING



CONSISTENT HASHING



RUNNING FUNCTIONS ON OTHER NODES

`Task.Supervisor.async/3`

RUNNING FUNCTIONS ON OTHER NODES

```
Task.Supervisor.async(  
    supervisor(),  
    mod,  
    fun,  
    args  
)
```