## PART 10: DEADLOW & STARVATION

Star vation: When a task has higher priority over other trous & rever yields to allow other task to access the Shared resources

This to solve this?

(1) - make suce high priority testes always yield some time to the prousor -> eg. writing for a mutex/semaphore or through a ducy function to put itself to sleep

(2) -> built into scheduler or very on a higher priority task to monitor how long other tarus have been askep

A GING Can run.

Lone it has run, its priority level is dupped to the original cevel

Aging



## DEADLOW -> system comes to a half as all threads are whiting circularly to be released

Southin > () give priority / hierarchy of value to the 16 ch!

(semaphore/makx)

S the tark must pill up the lowest priori)

J prevents audious because the last talk must which for the lowest value lock before continuing with their talk

@ using 'arbitrator' -> the lock is fied to a glubal mutex

- to the mutex which decreases its valve thus allows a task to run.
- the mutex TS not available to other terms as long as the first task is still running

solves deadlock, but duem's allow tasks to run in parallel