

CODE parent thread/process, thread Process state lett, but wants
to execute and RUN BLOCKED Preemphion One single process

Interaction between process/Operating
System (1) o Processo requests the OS for (something) -> system call 2 OS presempts the processo. (maybe) La context suitch

Context Switch

P1

Switch

Sintch

Sintch

Process has a contest -> all data items memory

register values -> save them -> ( stroke phr, heap phr of to PCB -> mu régister (Basé (Bound)

Conlest switch from CPU

Description of P1 to PCB of P1

Description of P2 from PCB

of P3 -> CPU

PCB > process control block STEVETURE

TCB

Threel

Threel

Egister

PC

Account in for

priority

PCB Corlect Suitch -> PCB = correct PCB move RD -> PCB. RD R1 -> PCB, R1 SP SP PCB = next PCB move PUB. RD -> RD ; c6 u u vehion\_ 2

Conlext suitching Scheduling -> "pslicy" Salgorithmo to pick processes to run (or block) Is via conlept switch

-cru schedular NEW IlD or event

CPU scheduler -s pick a ready brocess to run non-preemplive > preemptive terminate) model of a process

CPU

BURST

Time

(exit)

CPU bound Balances. I/O bound

2 processes -1 CAU burst only
of 1 Sec

FIFD

A B

2

Scheduling metrics - Clu ulibrization - Turn around time - Response time (preemptivo) -> average completion time = 1.55

10 sec TT= 10-5 TT = 6 Shortest Job first how optimal turn around time