Application without Semice time

Throughput

Shortest Remouning Time

Example
A D 3
C 4
S 4
S 2
S 5
E 8

ornot work;

-> SPN is non pre emptive

ompleted per time unit & High Jos shorter processes

7 Preemptive vousion of SPN

de kept in seady queue

A C=D A

T= 2 BA CA:1, B:6)

T:3 B

T=4 BC (B:5, (:4)



FCFC Tie Breaver

used

Highes t Response Rotio Next

7 We are looking to Minimize Normalized

- -> Non-preemptive policy
- 7 Shorten process Javovard (small deson)

- Javoure d (107ge denom)
- Short processes along with storoction prevention
- To HRAN
 the best?
- performance; sar is
- -> For non-measurable Cyair treatment); HRRN is better
- Real World Strategies
- -) Completely fair scheduling is used in Linux systems
- Feed bock Scheduling
- oword short process
 penalty; penalise
 longer processes.
- Time remaining; use

what is the main idea?

time execution.

- ruming jobs
- Pound Robin
- often some timed queues
 quantum of execution
 time.

Steps

- (I) AQO
- @ Preempted toRQ.
- @ Every subsequent
 preemption has
 Lower priority

FOFS; lest quere jouous FOFS; lest quere jouous Round Robin Cos no lover quere to demote)

Analysis jor FB or multi level jeedback

Other possible Strategies

- Imagine a moving treatmin that is descending afterway two
- Jos Longer processes
- noushness on longer processes
- -> Priority scheduling (Preemptive Monfremptive)
- -> Longest Job First enon Preemptive)
- -> Longest Remaining Time First (Reemptive)
- genoral purpose os in prove form; hybrid version is used.

HUD-

3 processes

Cid = 0,1,2)

Cs = 2, u, 8)

Arrisal = 0 for

all. Consider

LATF; ties are

brown by high

priority to lower

process id. what

is the average

two average

two average

3 proc at t=0
assival; totat
S=10,20,30.
20-1. is I/O,
70.1. is computation
B 10-1. is I/O.
Shortest rem
compute time
Jirst. Non
Preemptive. For
what ir of-line
does CPU remain

Summory: SPN-SRT-Throughput

- HERN-Perfect bolonce

achieved-FB-Modified FB with

9-2'- Other possible scheduling

algorithms-None used in real world