CSE 330: Operating Systems Class: 2D

Date: 11/1

Fall 2016

Note Title

FIFO page replacement

-> Belady's thomaly

Best page replacement algo

- optimal (OPT)

replace the page that will

not be used for the longrest

time in the future

replace

Page P

OPT - useless ? -> NO -> it sets the lower LRU

replace the page that was
not used for the longest
time in the past

-> NOT IMPLEMENTABLE

00000 CPU

practical solutions

- use FIFO but modify the order

- LRU approximations

Second Chance replacement OLD replacement ph F40 g of pages that are in memory

Additional reference shift the R bit to the integer Rbit rowset shift i Value Sappres ~ Rbit IRU

demand paging performance

D page replacement

2 Working Set

- also global vs local
replacement

3 dosk x-w speed

page fault handler find viction swinter out of m bit=1 3 pace in the target pace

main RAM fulx

Dre paging

@ program bad time

> main () location & move

- libraries that are used

beauty

- Some deta