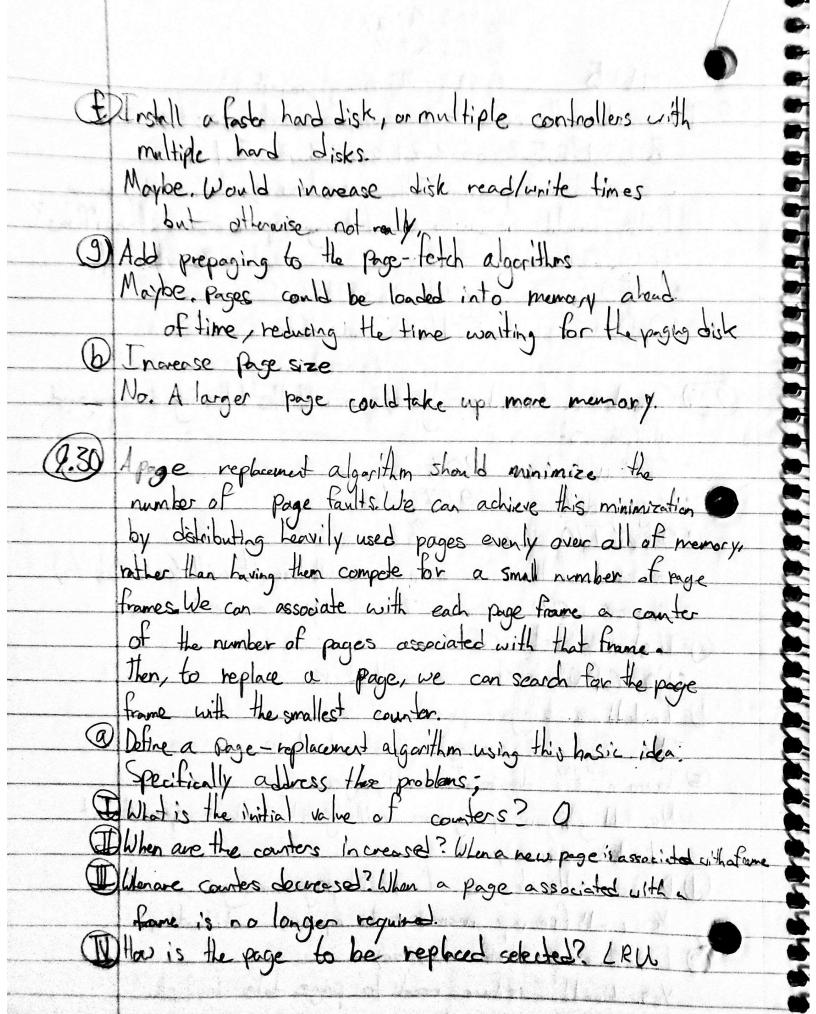
Po 423 Q9.21
Pg 455 G9.27 Pg 456 Q 9.30 HW 5 Pg 458 Programming project 9.21 Consider the following page reference string;
Pg 456 Q 9.30
HW5 B458 Programmy project
9.21 Consider the following page reference string;
7,2,3,1,2,5,3,4,6,7,7,1,0,5,4,6,2,3,0,1
Assuming around paging with three trames, how many page
faults would occur for the following replacement algorithms?
• LRU Replacement -17
·FLFO Replacement -14
Physal Reposerver II
9.27 Consider a demond-paging system with the following time-massived
utilizations:
· CPU utilization 20%
Paging disk 97.7%
· Other I/O devices 5%
For each of the following, indicate whether it will consistikely to)
improve CPU utilization. Explain your answers.
O Install a faster CPU
No, CPU isn't the bottleneck
D Install a bigger paging disk
The Paris like its does not help
No. Paging disk size does not help. © Irvorse the degree of multiprogramming.
Il Illi
No. Adding more programs will just further spread out
l'aited memory.
decreese the degree of multiprogramming.
Decreese the degree of multiprogramming. You work free up memory to improve utilitien.
@ Install more main memory.
Yes. Would reduce need to page data to disk



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5	How many page faults occur for your algorithm for the
6	How many page bulls occur for your algorithm for the following reference string with four page frames? Brage faults. What is the minimum number of page faults for an optimal page replacement strategy for the reforence string in part b with four page frames. It page faults.
	optimal page replacement strategy for the reference
	string in part b with four page frames. Il page faults
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	Carried on March 1980
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