CHALMERS EXAMINATION/TENTAMEN

Course code/kurskod	Co			
£04093	Operation	Systems		,
Anonymous code Anonym kod		Examination date Tentamensdatum	Number of pages Antal blad	Grade Betyg
EDA093-0015-GST		15-08-2023	4	3

^{*} I confirm that I've no mobile or other similar electronic equipment available during the examination. Jag intygar att jag inte har mobiltelefon eller annan liknande elektronisk utrustning tillgänglig under eximinationen.

eximination	onen.		
Solved task Behandlade uppgifter No/nr		Points per task Poäng på uppgiften Observe: Areas with bold contour are to completed by the teacher. Anmärkning: Rutor inom bred kontur ifylles av lärare.	
1	X	7	
2	×	6	
3	×	8	
4	Y	10	
5	X	4	
6			
7		,	
8			
9			
10			
11		ů,	
_ 12			
13			
14			,
15			
16			
17			
Bonus poäng			
Total exami points Summa poä nå tentame	ing	35	

1. Handle page fault interrupt

a) Illegal memory access > Crash
b) Page not in Grame -> Continue with step 2.

2. Remove unwanted page (if there is any) to disk. Update the page table.

3. Find and put wanted page into the frame

4. Update page table.

5. Resume the process which caused the page fault.

ALMERS	Anonymous code	Points for question (to be filled in by teacher)	Consecutive page no. Löpande sid nr	
	Anonym kod EDA093-6015 - GS	Poäng på uppgiften (ifylles av lärare)	Question no. Uppgift nr	
int t	hread - sem;			
main ()	reve que uc;			
qu three	ene = data - que ue c al sen=create - sema phore (veate(); 2);		
þ±1	weads A, B. C;			
	= p_threads_create (xa.			
	p-threads - create (* b-			
She	p-threads_create(*C-d-yield();	aking (selection)		
3		1000		
	hod () { ilc (true { ad - sem. wait ();			
	s = check_files();		(v	
3	(files = = nall) { thread_sem. signal(); s	shed-gield();		
	for (file: files) { queue add (file);			
	thread_sem.signal() shed-yield();	;		
33				
b_meth	100/() &			
whi	le (true) & hread Sem. wait ();	N-		
	lement = queue pop (f (element! = hull) { do_computation (el	e ment);		
3	hread_sem_signal(); hed_yield();			
3 5	ned - yield ();			
3				