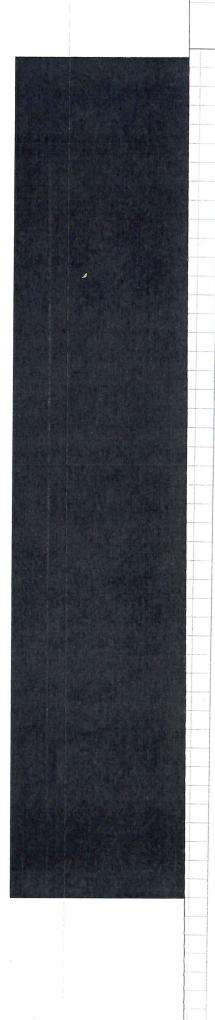
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Anonymous code Anonym kod		Examination date Tentamensdatum	Number of pages Antal blad	Grade Betyg
DIT431-0007-ADT		27/10/2023	13	

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.

eximinati	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	×	8	
2	Х	8	
3	Χ	2	
4	×	9	
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Bonus poäng			
Total examin points Summa poän på tentamen	ng	42	



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CHALMERS Anonymous code	Points for question (to be filled in by teacher)	Consecutive page no. Löpande sid nr
Anonym kod  DIT 431 -0007-ADT	Poäng på uppgiften (ifylles av lärare)	Question no. Uppgift nr
4c) quad += temp has a dependent stores are lost. First Method:	cy and there is	i a visle that
[(1)]	m 0 6 11 1	
We can make quad t = teng of	a puera manable	can be
should g exept for temp which	should be pri	varte.
Second method:		
We can use make quad to to	emp a critical	region so
that only I thread runs the	instruction at	a given time.
that only I thread runs the We use # pragma omp c	vitical. usag.	shared
variables, except for temp u	which should be	private.
Third method:		
We can use reduce in our	for (00p % v	ith guad
and temp as shared variables		V
# pragma omp parallel for	reduce (t: quad	) private (temp)
· · · · · · · · · · · · · · · · · · ·		
every thread can still be further by contain then co	be the fastest	since
every thread can still be fu	illy run asynct	aronousiy;
tollowed by contract then cv	itical, Sina	Critical
requirer longest maiting. For	critical, compile	N Can
create a lock to the variat	ou quad. For	atomic,
requirer longest maiting. For create a lock for the variation a lock can also be used. For can create different quad	reduce, the	confiler
can evente ditterent quad	Javia bus tor e	ach thread.
	5	

Answer only one question on this page. Do not write on the back of this paper Behandla endast en uppgift på detta blad. Skriv ej på baksidan