## CHALMERS EXAMINATION/TENTAMEN

Course code/kurskod	Co			
DAT 105	computer	Architecture		
Anonymous code Anonym kod	•	Examination date Tentamensdatum	Number of pages Antal blad	Grade Betyg
DAT165-0002	- WPA	2013 - 8 - 15	8	4

<sup>\*</sup> 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	V	12	
2	$\checkmark$	7	
3	V	8	
4		Ч	
5		10	
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
Bonus poäng			
Total exam points Summa po på tentame	äng		

CHALMERS Anonymous code	Points for question (to be filled in by teacher)	Consecutive page no. Löpande sid nr
Anonym kod PA7-002-WPA	Poäng på uppgifter (ifylles av lärare)	Question no. Uppgift nr
1A) for computer A:	y , 1 × 169 1 / 1 , 2 = 1	,
weighted arithmetric mean = 1135	1 1 4x25% + 4x25%	
= 25.		
for computer B:	W 2 2 2 4 5 1 2 2 2 4 7	
Neighted arithmetric meum = $2x50$	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
= 25		
for computer Reference: = $\frac{6 \times 2}{2}$	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
Computer B and computer have	the same performance	on P1, 1/2, B
Weighted arithmetric mons is sens	setine to outliers. If	a computer outpeffirmanad
than another one for 9 out of 10 pre		
could be evaluted as lower perform	nance them the other	. 2
ii) SPA,R = TR,P1 = 6. SPA.P.	$\frac{2}{2}$ = $\frac{2}{2}$	A.B. = 2 20.5.
Gemotric mean = 3 6 x1 x0.5 = 1	1.445	
SPB, P1 = TRP1 = 6 = 3,	SPB, K = 1 = 1, S	PB, B = 2 =1
Gemotric mem = 3 3 X 1 X1	= 1.443.	y
13 13 have the same performant Geometric mean is no senses		
	the back of this paper	

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

Consecutive page no. Löpande sid nr Points for question **CHALMERS** Poäng på uppgiften Anonym kod Question no. Uppgift nr DAT105-0002-WPA 50). Fine-grain: thred switch happens in each cycle, threat swith should be added between IF and ID. Each threat thread should be companied with threat & Coarse-grain: thread switch happens in a long latency narting thread Shitch should be added between If and II). But detecting should be implemented stage. Oxfrelve Normald as memon stage.