50095150

CPS 688 Lab 1

a. for computing sum of a numbers

i) the natural size metric for inputs is a ii) adding every number up to n or add every Znumber iii) it can not be different from the input size b) computing n!

i) the natural size metric is not or input

ii) muliply every number until its ninput or

muliply 2 pursu

iii) it can't be different

muliply 2 pursu c) finding the largest element in alist of i) the natural size metric is n for inputs
ii) compacing 2 numbers
iii) it cannot be different for inputs $\frac{Q_2}{2000n^2}$ is the same order of growth as $\frac{Q_2}{2000n^2}$ in $\frac{1}{n^2}$ and $\frac{1}{n^2}$ b) 100 ne has a smaller order of growth them
0:01 n³ n² ∠ n³ c) logen has the same order of growth than

d) (logen)2 has lorger order of growth than 2logen

e) 2nd has the same order of growth as 2nd

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C(1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1. 5 TgCn+1000) highest	Fr.
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3. 13 n	1 - James de la companya della companya de la companya de la companya della compa
4 0.001 n4 + 3 n3 +1	N. Z. The state of
5. 20	=
5. 300 6. 220 0140	
7. (n-2)!	
11 (1-6)	
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col of algorithm comp	oute the range of a give
set of aumoers, it toke	the largest number and
I to the state of	2 1 2 10 1 2 15
set of numbers. It takes Subtracts it with the sm	raller number
b) The basic operation of number	
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