Saturday, January 25, 2020

Q1. assume Findmax does not find max Then result does not find (argest Value in inputs. However, if (nrvesult) -> vesult = n

... findmax returns Max Q1. Github: https://github.com/brunersj

5:52 PM

Stackoverflow: https://stackoverflow.com/users/12795131/brunersj

Q3 fine Complexity. Sort: O(Nlogn) to defermine median: O(1) : Find median: O(nlogn)

added test cases and cheened in.

forcefully
Q4. - f removes file not up to date with latest commit. This
Prevents erroreously removing a locally edited file, - Fremoves Fills recursively

(Q5. 1st for 100P: 10g n 2nd for 100P: n i=8 $O(n\log n)$ i=4 i=2i = D b) O (log K)

(26) 1. a) Function returns -1 when nKO. However, input Validation exists such That the User Cannot input an invalid Number.

2. Yes. See attached CPP file,

4. Recursive runtime: O(n) non recursive runtime: O(n)

5. NON VECUVSIVE Proof: Ilt P(n) be the non recursive function. Show P(n) is true + N70

Base: N=1 N!=1 $N!=n(n-1)(n-2)\cdots 2\cdot 1$

IH: p(n+1) = (n+1). $TS \qquad P(n+1) = (n+1)n!$ = (M+1) M(N-1) (N-2) - 2 - 1

=/N+1)

QED