Problem 1: Stgorttm

Let the two starks be S, and Sz and no n members in he a,, az --- an.

What we do is that first we insert a, into stack S..

1) Then for forther each a i & where i => i first (let it beautifus) is larger than the air if a paper of the pape S, else if an a ai, we want an to from Sz and prosent it into S. Then again we check if he same for next element of 52 with a;

2) Now if a; is smaller that topmast element of Sz, we cheap if it is larger Man

tapement element of S. . April is, someties

then we add a, to OS, else we peop

elements from S, and keep adding them to S.

until were find an element which is somally than ai.

g) finally, when we so how done this four all so is is in, we popularity from S_2 and add then to S_1 till S_2 is empty and we get a sorted stack S_1 with minimin element at thatlan.

The time complexity for this algorith would be not sure for each step we meght have to shift me entire i neget stack from I stock to shift me entire i neget stack from I stock to another and we have to do this or times.

Register

Nowshit Monvandrei

Mar 11 Marshir Memarado For function Int map (p) - overflow (x 6, y) who and then use the function Fur - lessomer Equal to For me result of Int sum he (2) We now toy Int less than equal to (2, P) if this returns balse (0) we return 1 if his returns tum(1), we try Tot isequal (2, p). If his returns 1 me setuen 1, else me return 0.

Warshit Polar Novishit Monandia Percobolen 2-2. for Int Base (p) - Greate (a) () first me ure sont the function from noblen 2.1 Funtand (10) - overflow (a, 0). Int ponad (p) - overflow (a, d). I mis returns 1, we use Internal (a) a, p) and storn me result in and Intalist, men we use Int - divi (a, p) and stouches liven reintorale my step of first sissen Its mad step 1 now we use Int tist - add front to add this seeselt to the front of her list. 2) Non whom overflow ruturns 0, me just add me remembig value to me front ex

navander Page No. Problem 2.3. We find to The Ba take length of My hota to be m now for i =01, i < n we sterate Now who is we just use

how with a live element of larg

with a livet

we pust one of larg

to get our final Int mad phist