acar 3 reflacement of lists in sequential prog. (lists but parallel) reduce O(n) work, $O(g_n)$ span scan - access function

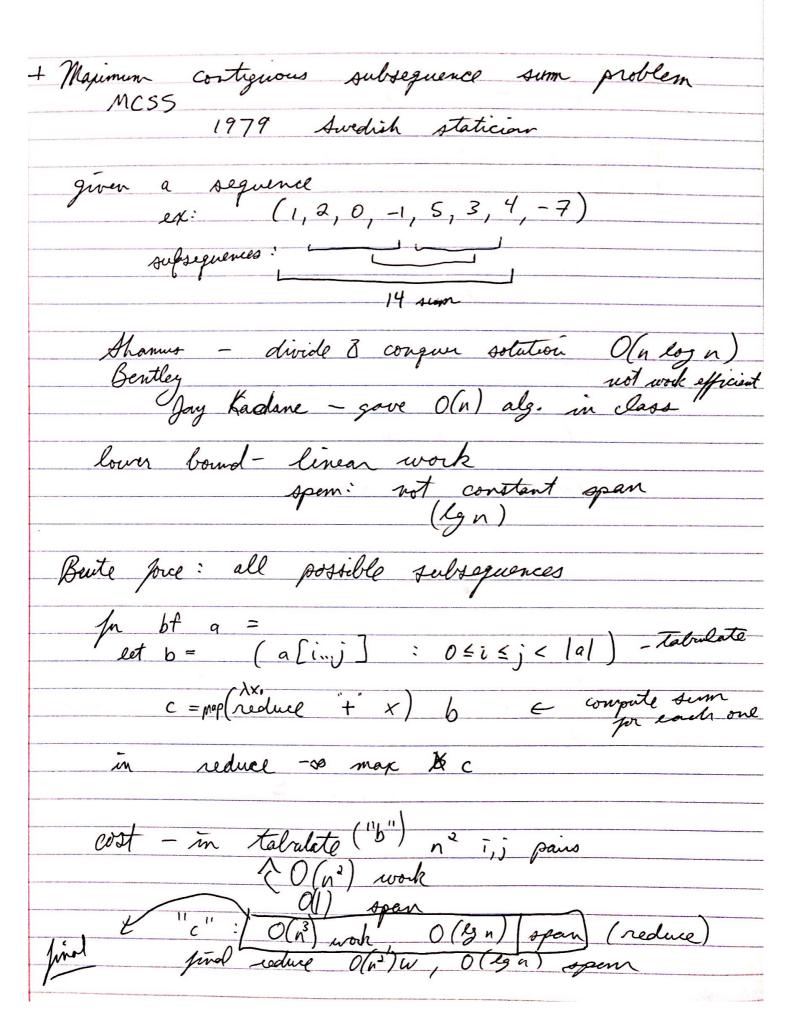
scan - access history

infl technique (one afternoon)

(requires assoc also)

talulate

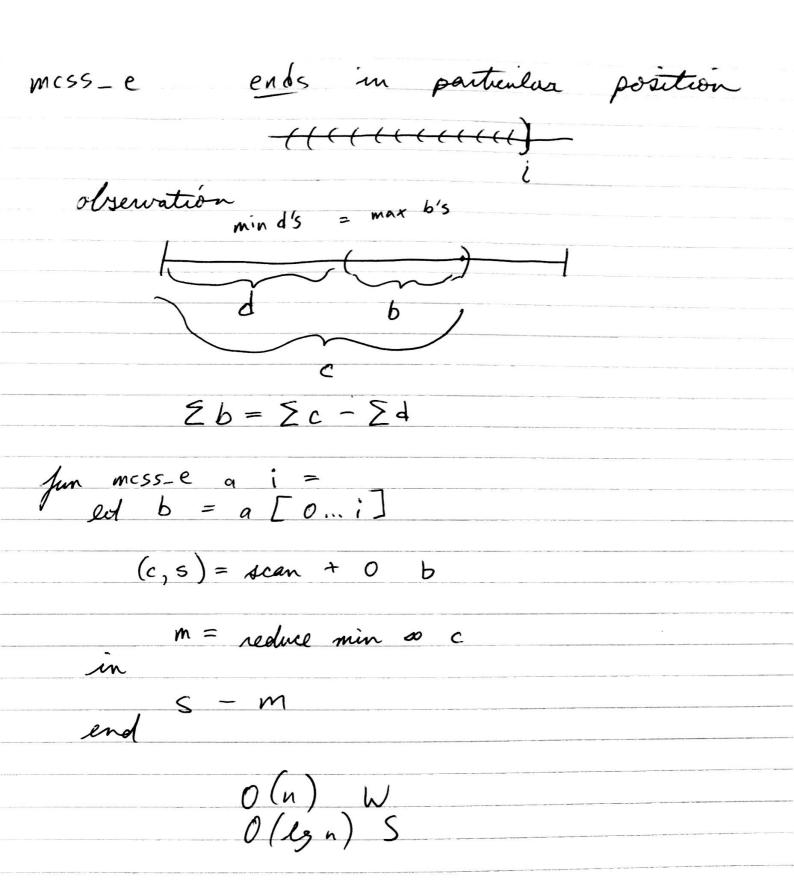
) O(1) span update O(n) work, O(1) grow viject (balk update) O(m+n) W, O(logn) Spen impl filter using tabulate, igget flow to prove assoc f(f(x,y),z) = f(x,f(y,z))Straightforward care analysis



brute force alg:
not taking adv. of overlap of subsequences

MCSS but Starting at given index linear work O(n) w

parolle O(i) or $O(lg_n)$ span ext fun a i W: 0 (n) 5:0(egn) $\lambda((m,j,s),n)$ fun mess reduction a = let b = ((m css_b a i): 0 \le i < |a|)
in reduce max - o b \tabulate (\lambda i. m css_b a i) |a| 0(kgn) \$



almost have done work for all ending positions fun Mcss q = let b, s = sean + 0 aoptimal c, = scan min so b 0(n) W 0(egn) 5 $d = (b[i] - c[i] : 0 \le i < |a|)$ reduce may -00 d

