hemenda dozenost: O (n+b) log k)
n-log elemenato loge trebo postinati 6 - MANA ARMEN log clemenata lone logok - boj itmeiza (boj mamenti nojverag bojo) Prostomo dorenost O(n+b) n-log elemenata loje tselo sortisati 6-log elemenato lare Radir Sat je spor u shučazurima hada treba sorturati vehili skup podataha i hada su elementi ir nehog vehilog raspona. pr.: 1 153 1000 7607 1009 58 hemenska slovenost: 0 (n+k)
n - læjelemenata løge treba sortirate
L - max element +1 Prostoma dozenost O(k) k- max element + 1 Sunting Sort algoritam je gror, alo je k velik broj.

(3) T(n) = T(n-1) + n0(n2) modportusta:

T(m) E C·m² za m c n North including: $T(n) = Q(n^2) = 3$ $\exists c > 0 + 1$. $T(n) \leq c \cdot n^2 + n \geq n_6$ $T(n) = T(n-1) + n \leq c \cdot (n-1)^2 + n$ Ec. (n2-2n+1)+n Ecn2-Zentetn Ec.n2 -2 cn+c+n & O viged: te>0; th=1 =) T(n) = O(n2) b) T(n) = T(n-1) + T(n-2) + C O(2") P1: T(m) ≤ c.2 m T(m) ≤ c.2 min za mcn T(n)=0(2") =) I c>0 +.d. T(n) sc.2", tn 2no $T(n) \in T(n-1) + T(n-2) + C \leq c \cdot 2^{n-1} + c \cdot 2^{n-2} + c$ $\leq c \cdot (2^{n-1} + 2^{n-2} + 1)$ Sc. (2n-2 (2+1)+1) = 3c2"2+c =c.2"/c 3.2 n = 2 n origid: # n = 2 =) T(n) = 0(2")

c) T(n) - T (ra7)+1 O(lagn) P1: T(m) & c. log m to men (1 =) T(n) = O(logn)