Ex: RACE 2 CARE are ANACRAMS because they are composed of the same set of letters

TNOUT: a dictionary

DOTPUT: a dictionary onto sets of anagrams



Brote. for each word us in Dictionas

for each ward x > us

if x == permutahan d w

insert & into S[w]

for each w in Dict

CARE - ACER conpute Signature

RACE - ACER

sort dictioney by signature (anagrams from blocks)

2) Representation change:

3/1) 254 13254

selection O(n')

12354

T23 754

12345

Heap Sort: selection sort where unsorted among is organized into a mun-heap make-heap $\Phi(n)$ find -max $\Phi(1)$ $\Phi(n) + E \Phi(1) + \Phi(1)$

delete-min: & (n)

= O(nlgn)

3) Reduction: charge mobilem to a DIFFERENT coluct modern

Ex . LCM

input: 2 nonnegative integers a, b

OUTPUT: smallest common multiple of a & b

lam (2,3) 2 b

lem (4, 14) = 28

Reduchen: ab = gcd (a,b) * lcm (a,b)

