Seminar 04

Thursday, April 14, 2022 2:57 PM

SORTED MULTIMAP (LL + AD LIST)

Mape: (K,V)

KIN D K2 (V2)

Representation

SMM

R: relation

head: INode

size: Integer

Key: They

values: List of Tralues next: îNode

List Operations

- 1) imt(l)
- 2) Size (l): Juteger
- 3) is Empty (1): Bool
- n) odd First (R, e)
- 5) add Before (l,p,e) 6) add Alter (l,p,e) 7) add Last (l,e)

8) Search(l, e): Bool

- 3) iterator (l, i)
- on destroy(l)
- 11) position(l, e): Integer
- (2) modify (l,p,e)
- 13) dement (l, p, 2)
- (4) remove (lip, e)

subalgorithm mit (smm, v) is: SMM. Ret Smm head - NIL SMM. SiZQ CO end_subaloprithm search Node (smm, K. RNode, prev Node) add Node (sum, K. V. prev Node) remare Node (sum, RNode, prev Node) subalgorithm searchNode (snum, K, KNode, prevNode) is. Nil or Made aux < smm. head if Smm. K([aux]. Key, K) then
prevNode -NiL