1101 DataStructure Final

Homework 21

- B-Heap
 - o create B-Heap
 - o delete min
 - insert
 - o meld
- min-leftist tree
 - o create min-leftist tree
 - o insert
 - o delete min
 - o meld

Homework 22

- F-Heap
 - o create F-Heap
 - o delete min
 - insert
 - o meld
 - o decrease key

Homework 23

- SMMH
 - o create SMMH
 - insert
 - o delete min
 - o delete max

Homework 24

- AVL Tree
 - o create AVL tree
 - insert
 - exist
 - o delete
- Red-Black Tree
 - o create Red-Back tree
 - insert
 - exist
 - delete

Homework 25

• B-Tree

- o create B-Tree
- o insert
- o get
- o getk
- o remove
- o removek

Homework 26

- B⁺-Tree
 - o create B+-Tree
 - insert
 - delete
 - o range-search

Homework 27

- Insertion sort
- Quick sort
- Merge sort
- Heap sort

Homework 28

- Hash Table (linear probing)
 - o create Hash Table
 - insert
 - o delete
 - o search

Homework 29

- Bloom filter
 - o create Bloom filter
 - update
 - exist

Homework 30

- Patricia
 - o create Patricia
 - insert
 - search
 - o delete