# Dictionaries

A Dictionary is a set S mde up of n elements: x0 x1 x2 x3 … xn-1 that has the following functions.

Functions:

createEmptySet() returns a newly created empty dictionary

lookUp(S, k) returns the node in S that has the key k

insert(S, x) returns S with x added

delete(S, k) returns S with x (found using x.k) removed

isEmptySet(S) returns true if S is empty and false if it is not