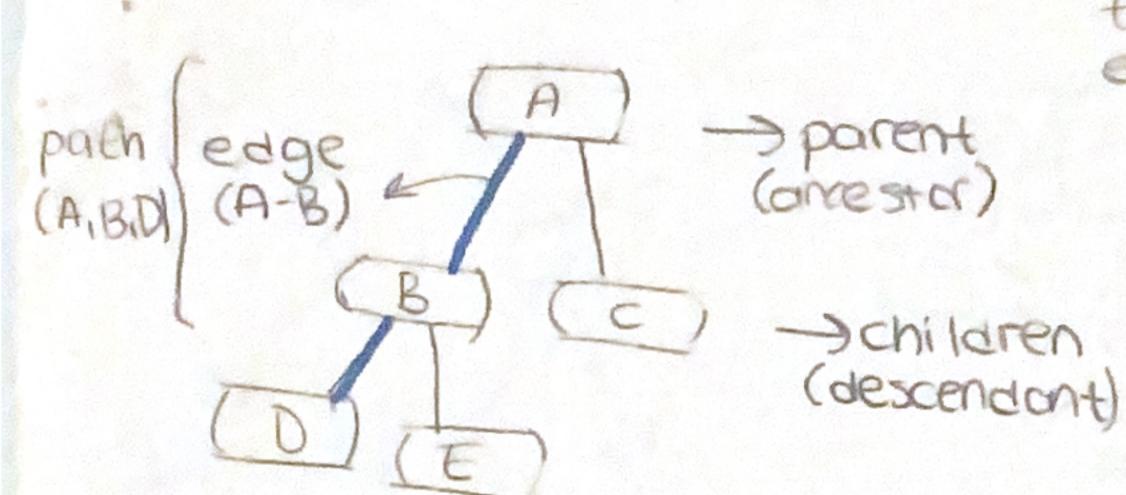
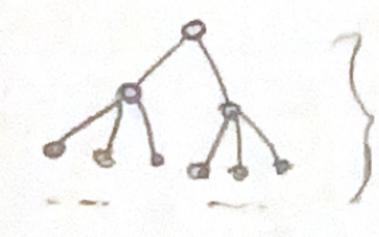
Trees





tree (Gocuklarini 1.23. dige agirt edebiliyor-

Abstract

Data Type

p.element() -) returns the element stored at position p.

T.root () +root of tree

T.is-root(p) -) if p is the root

T. parent (p) -> parent of P

T. children (p) - mildren of p

T. is\_leaf(p) -> True if p is leaf

Jeni tree subclass'i olustururten override ediyoruz.

tree T: set of nodes staring elements s.t.

- e nodes have parent-child relati-
- · If Tis renempty, it has a roct node (nos no parent)

· Every node v of T different from the root has a unique parent w, every node with a parent w is a child of w.

TWITUZI & siblings
external lieaues
(nos no child)

Depth of P: P den chceking node larin sayisi p haria.

roothun depthi O.

depth p = 1 + depth p orent

(Cap +1), performs

constant time recursive

step for each ancestor

Height of p: maximum of

depths of its leaf positions.

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The entry of the positions of its leaf positions.

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