(3) true) Type = int * book bised length with Ritherent data trype

heal: tail (head bollond by a tail) Arbitrary lengths rough type

Types:

(3 tru) Type int * book Eight atal transfel alter attend lists types Debums a data type; (type day = more of type regued 1 Surlay } Patters match by options

type veels? day & day & day ---

Trees:

enget beside en -

Pinny Tree

- Edde compty or mode or 2 dillher

etyme er nedleb that ende show about a ce duch -

hemalor so at been known -

type a tree =

1 Empty

I Wole of a tree * a & a tree

Dinon Seoul Tree (BST)

- must be a timony tree

-all of substres must be BETS

- volues on left must be a throw unest made John traus noth > It was there are could

trent

- do tree empty or met?

show a lile conque de di-

ton di-

- does x= 1 > return some tree (clement dready in tree)

- is XCN > mode (insert a little n, right)

- D Q > Norte (labty on when a right)

(with a new or that) a new containing Velete - do tree emply or rist? - yes return tree - m 3 - To a L n - Nobe (believe a leby nyrught) (then , delde , n , delde , not ci-N=X c2 -- are N's dullan empts empts -> Empts - one wis utilled left compts - left - one its dutten engle right - right - one n's titles left night! buil mox in left (y) > Note (belete y left, y, right) General Types - a (tri a) conte ony lover core latter - \a, \a list, \a * int ~ etc - in a function, every call at a has take the same type - 'a and' b could be different types but they don't have to be - Letter, remable cabe First Clas Renutras - tin > tout (trust he at tru) the chie chie tris c (tris c tris)

- portul application (the chu chu) ger = (this) mec -(Kilcthis) in Emer = 5 tel - anomymus functions of the transform some operations on it tul d' « tui s' children arch tout - takes everything in a list and performs an artism on it 1a list > 16 national Authorition - Sets a list but order been't motter - Like a list but order described on -- Abstract type > Properties > lebine type / operations out

Austrat because interface revealer mothing about implementation

L'interfore derheration

Exam 1 Page 4

- Signature

module type Set = sig

Servara shiban C Deta type and steen contareza haterosso - street > for on inplementation of the interforme.