

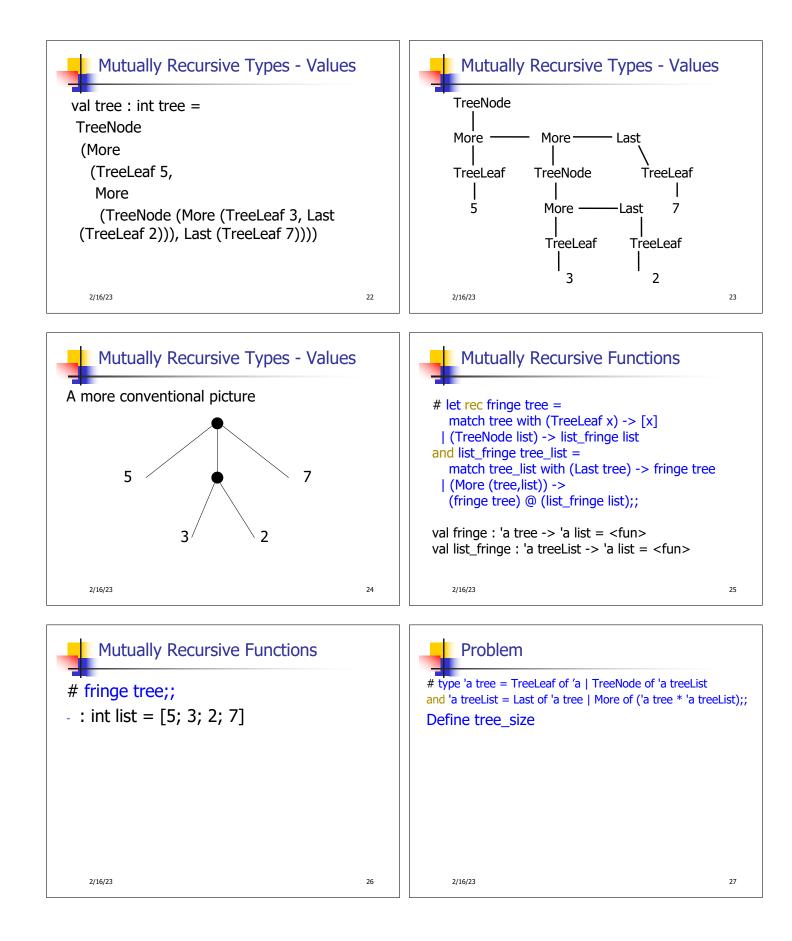
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Problem Problem # type 'a tree = TreeLeaf of 'a | TreeNode of 'a treeList # type 'a tree = TreeLeaf of 'a | TreeNode of 'a treeList and 'a treeList = Last of 'a tree | More of ('a tree * 'a treeList);; and 'a treeList = Last of 'a tree | More of ('a tree * 'a treeList);; Define tree size Define tree size let rec tree_size t = let rec tree_size t = match t with TreeLeaf _ -> match t with TreeLeaf _ -> 1 | TreeNode ts -> | TreeNode ts -> treeList_size ts 2/16/23 2/16/23 28 29 ר ר

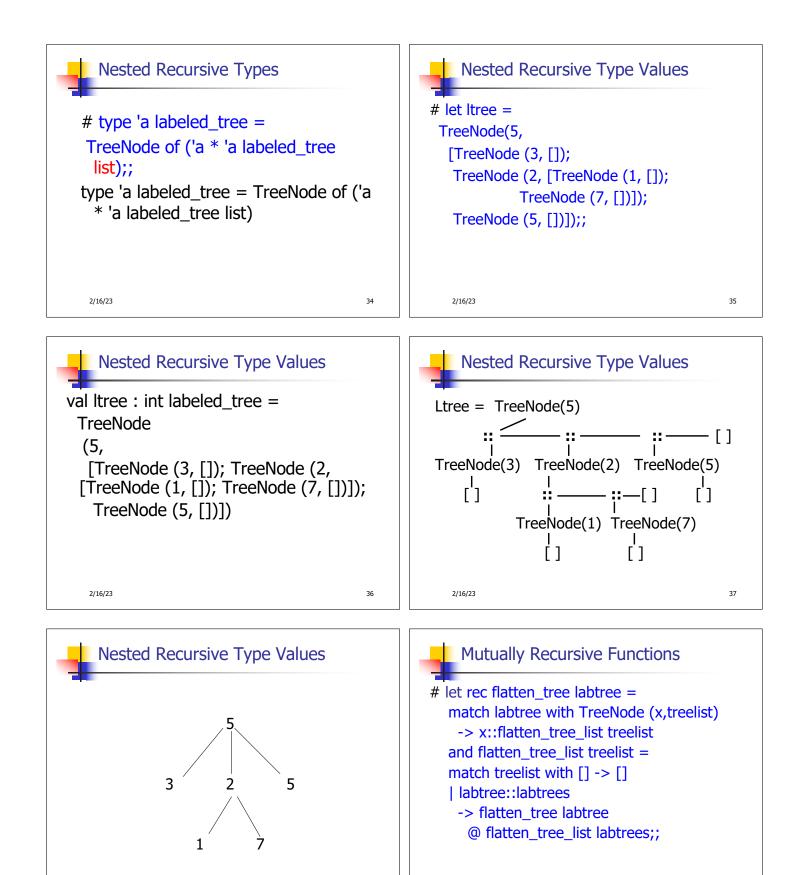
Problem	Problem
<pre># type 'a tree = TreeLeaf of 'a TreeNode of 'a treeList and 'a treeList = Last of 'a tree More of ('a tree * 'a treeList);;</pre>	<pre># type 'a tree = TreeLeaf of 'a TreeNode of 'a treeList and 'a treeList = Last of 'a tree More of ('a tree * 'a treeList);;</pre>
Define tree_size and treeList_size	Define tree_size and treeList_size
let rec tree_size t =	let rec tree_size t =
match t with TreeLeaf $\> 1$	match t with TreeLeaf> 1
TreeNode ts -> treeList_size ts	TreeNode ts -> treeList_size ts
and treeList_size ts =	and treeList_size ts =
	match ts with Last t ->
	More t ts' ->
2/16/23 30	2/16/23 31

Problem

type 'a tree = TreeLeaf of 'a | TreeNode of 'a treeList and 'a treeList = Last of 'a tree | More of ('a tree * 'a treeList);; Define tree_size and treeList_size let rec tree_size t = match t with TreeLeaf _ -> 1 | TreeNode ts -> treeList_size ts and treeList_size ts = match ts with Last t -> tree_size t | More t ts' -> tree_size t + treeList_size ts' 2/16/23

Problem

	<pre># type 'a tree = TreeLeaf of 'a TreeNode of 'a treeList and 'a treeList = Last of 'a tree More of ('a tree * 'a treeList);;</pre>	
	Define tree_size and treeList_size	
let rec tree_size t =		
	match t with TreeLeaf> 1	
	TreeNode ts -> treeList_size ts	
and treeList_size ts =		
match ts with Last t -> tree_size t		
More t ts' -> tree_size t + treeList_size ts'		
	2/16/23 33	

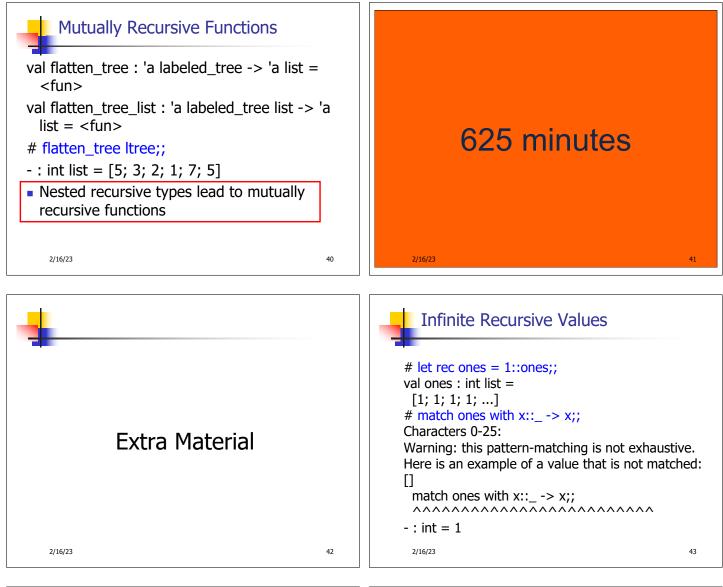


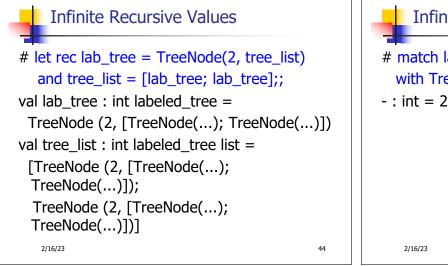
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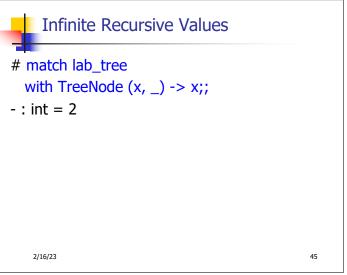
38

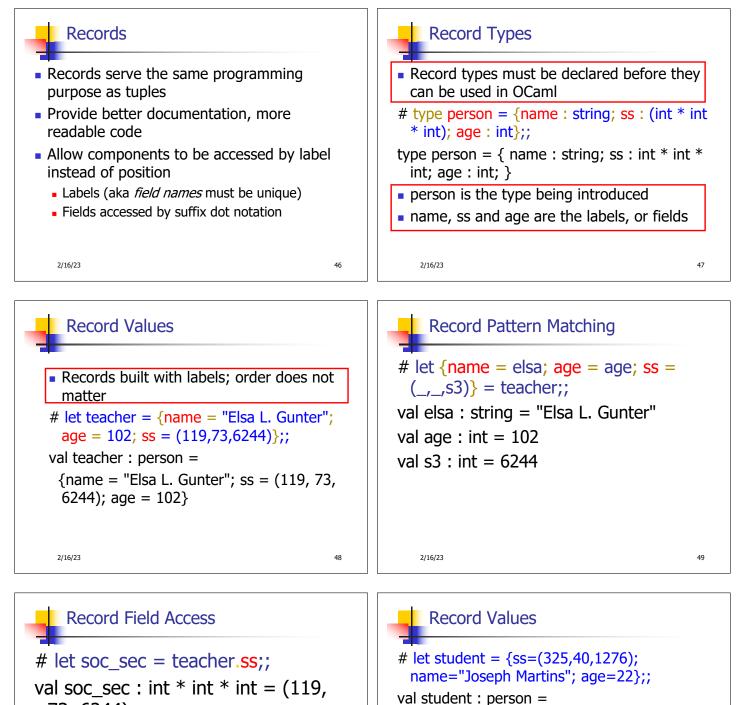
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student = teacher;;
- : bool = false

1276); age = 22}

 $\{name = "Joseph Martins"; ss = (325, 40,$

51

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