

- let f arg = e \Rightarrow let f arg k = e
- Idea: Every function takes an extra parameter saying where the result goes
- Step 2: A simple expression in tail position should be passed to a continuation instead of returned:
 - return $a \Rightarrow k a$
 - Assuming a is a constant or variable.
 - "Simple" = "No available function calls."

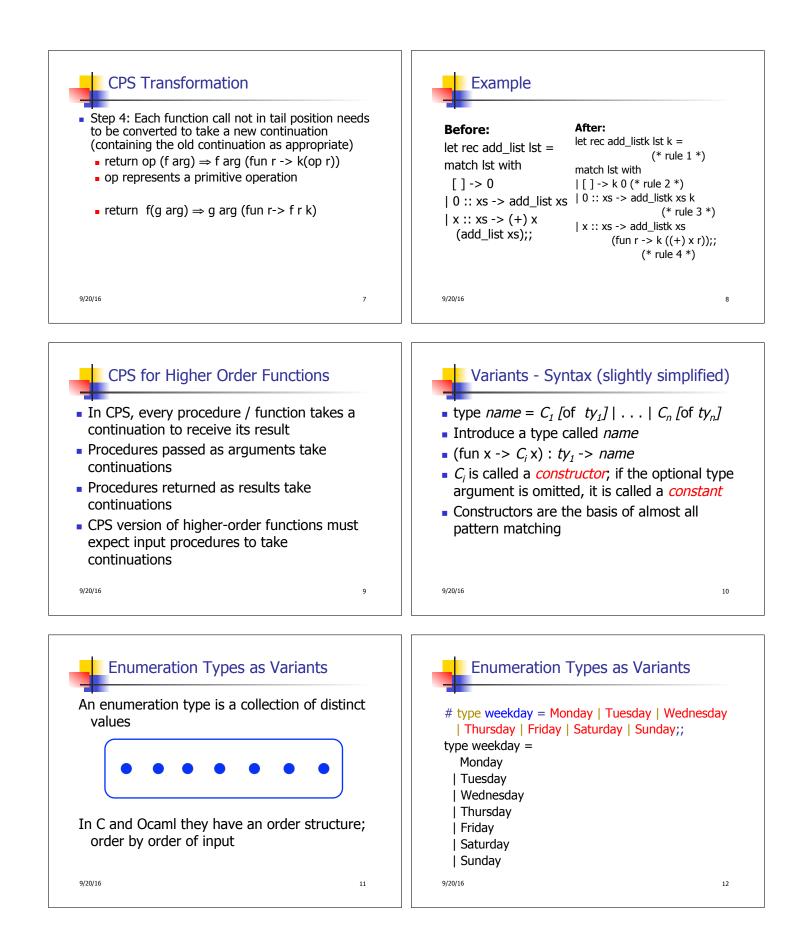
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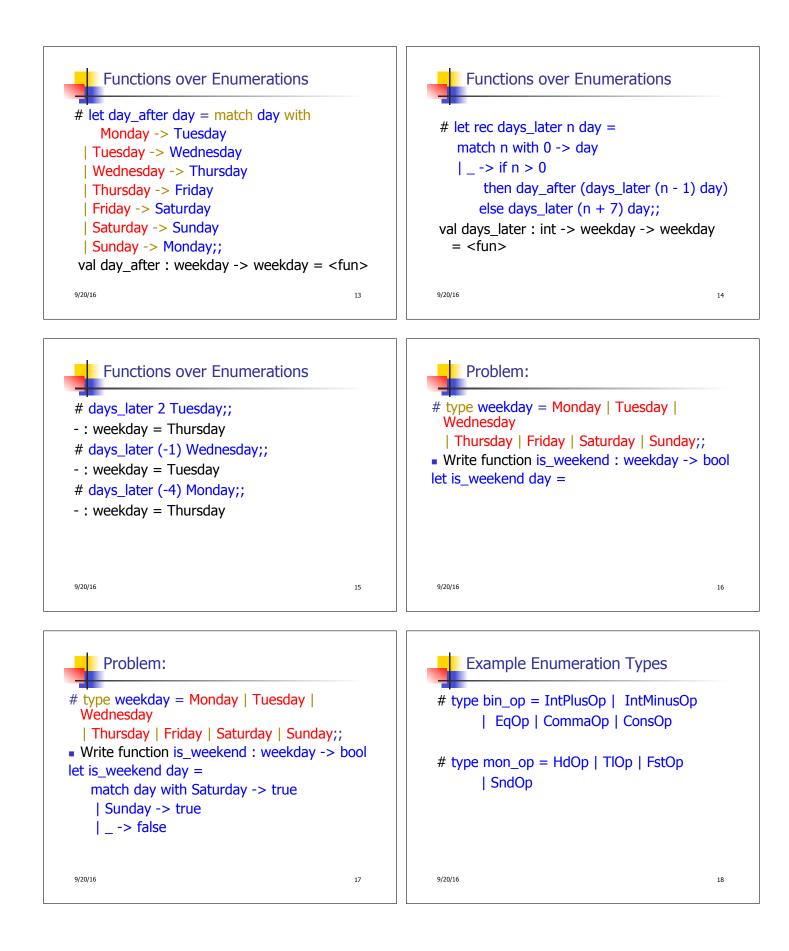
- function call in tail position
 - return f arg \Rightarrow f arg k
 - The function "isn't going to return," so we need to tell it where to put the result.

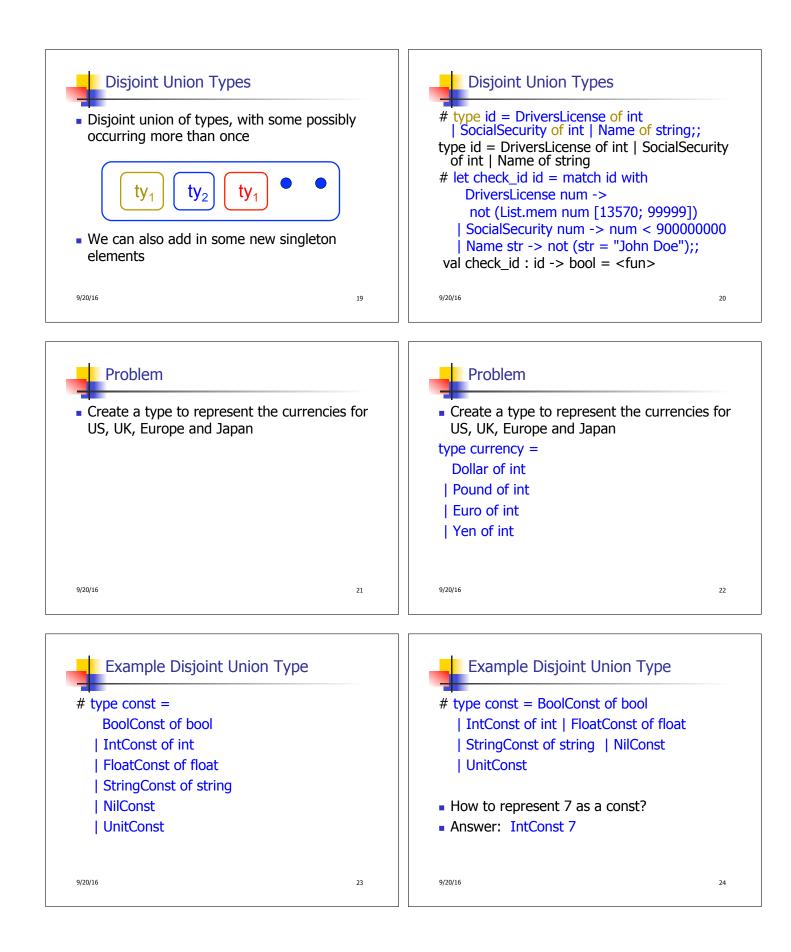
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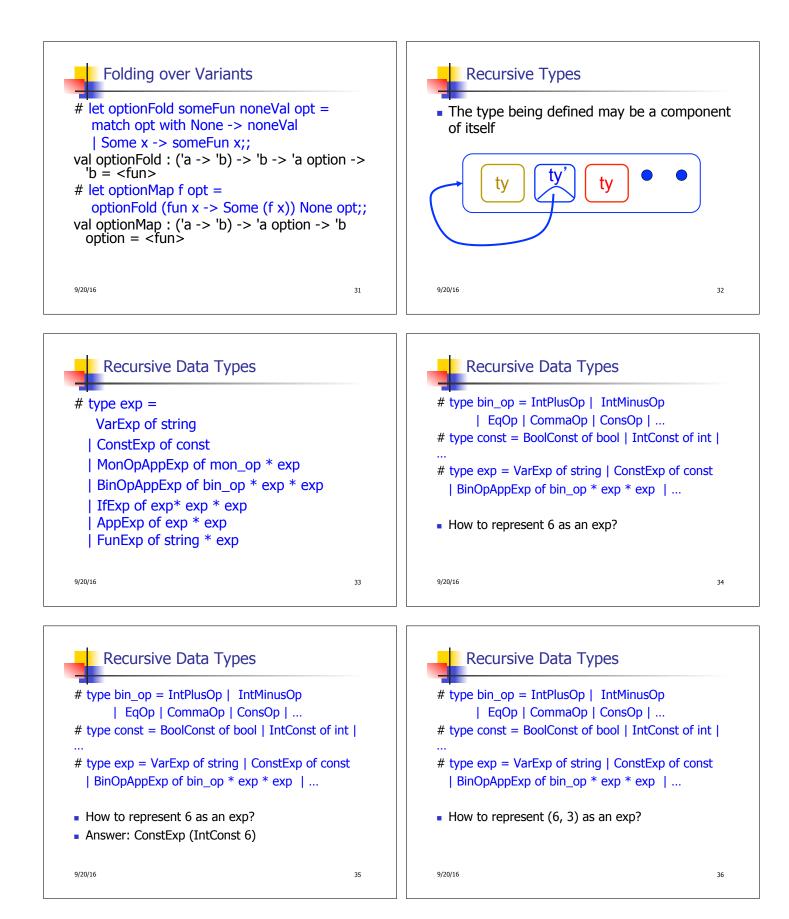
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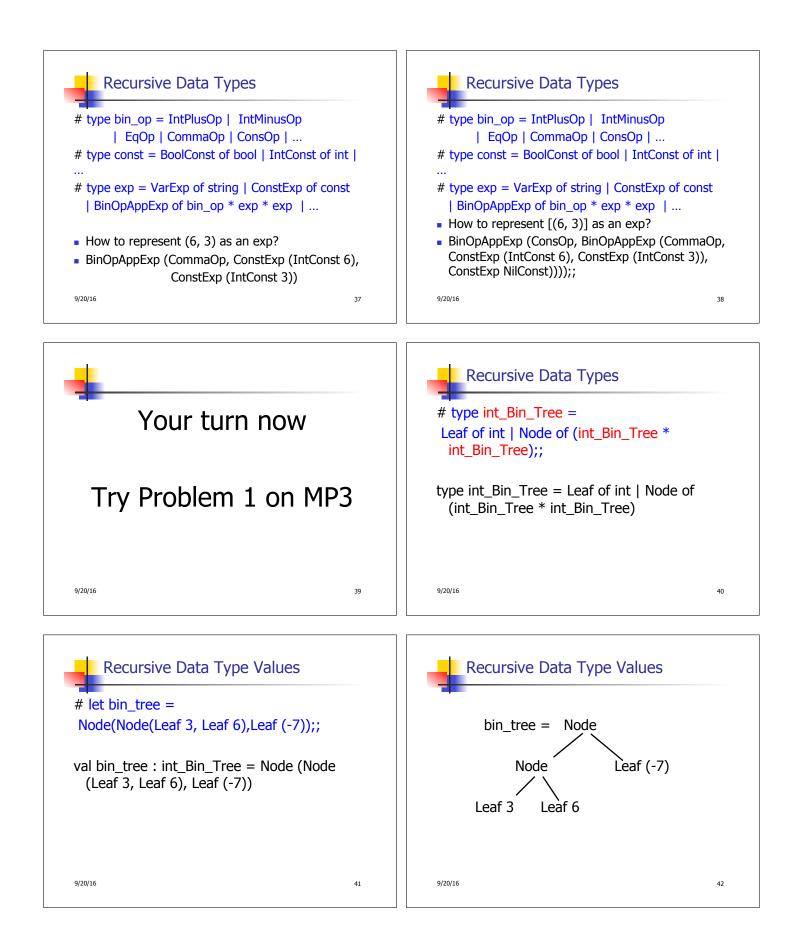


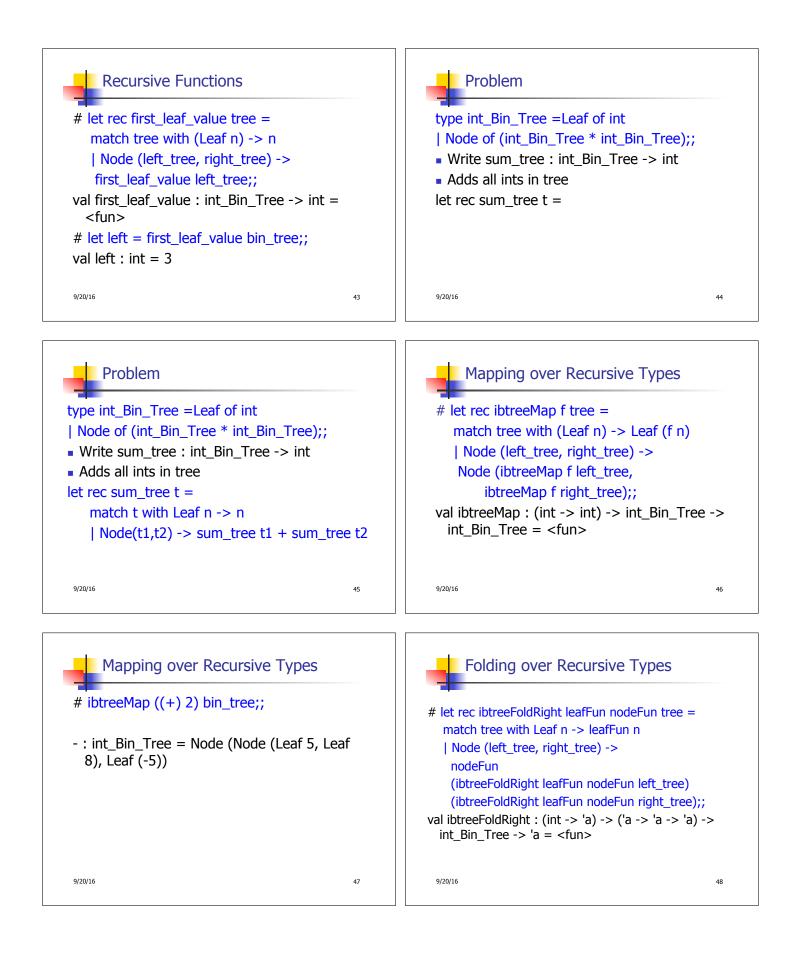












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Folding over Recursive Types
# let tree_sum =
    ibtreeFoldRight (fun x -> x) (+);;
val tree_sum : int_Bin_Tree -> int = <fun>
    # tree_sum bin_tree;;
    : int = 2
```