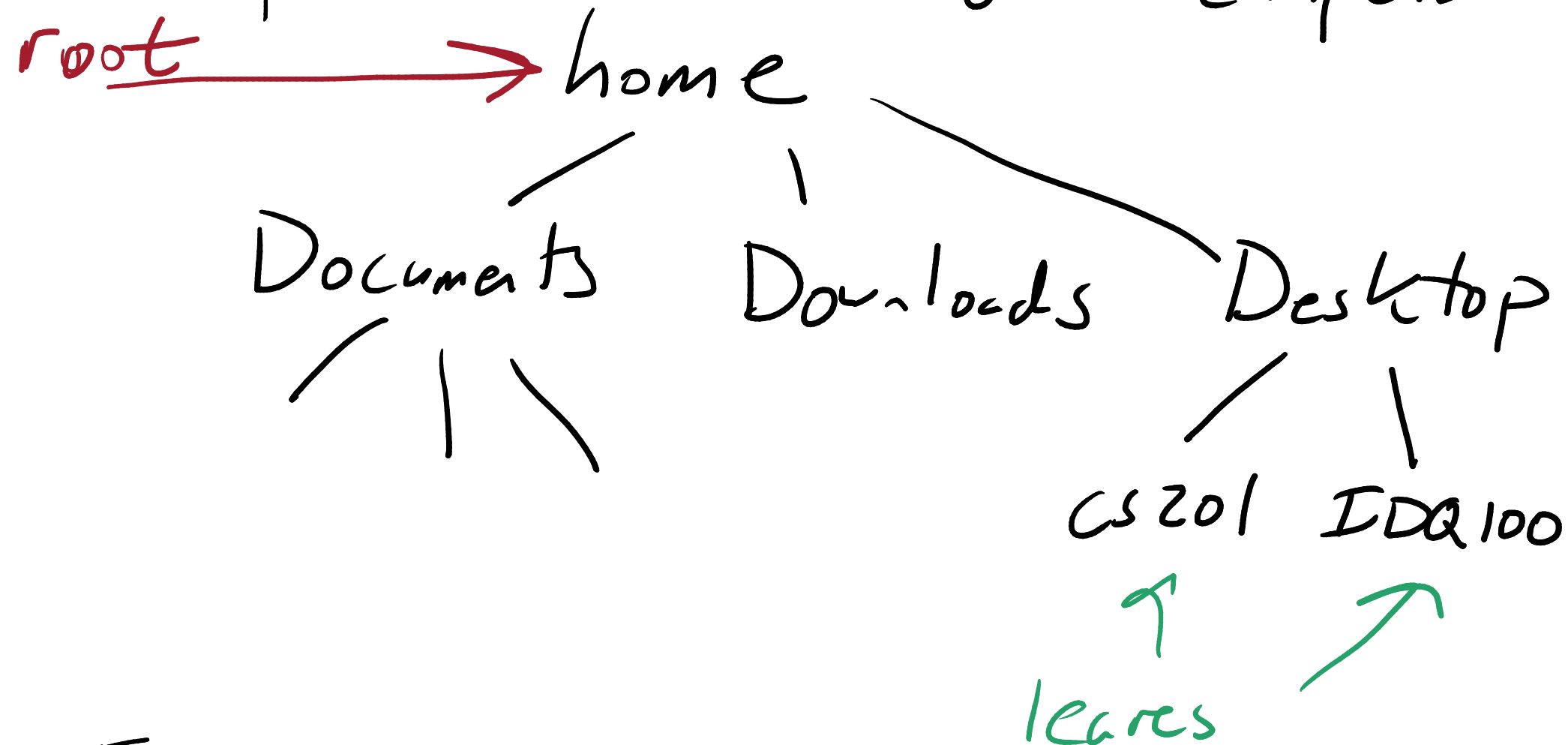


# Trees

Examples: folders on your computer



For us, trees are going to be  
a useful implementation  
strategy

# ADTs

# Implementation Strategy

Stack

arrays  
lists  
linked lists

queue

lists  
arrays  
linked lists

map/dictionary  
set

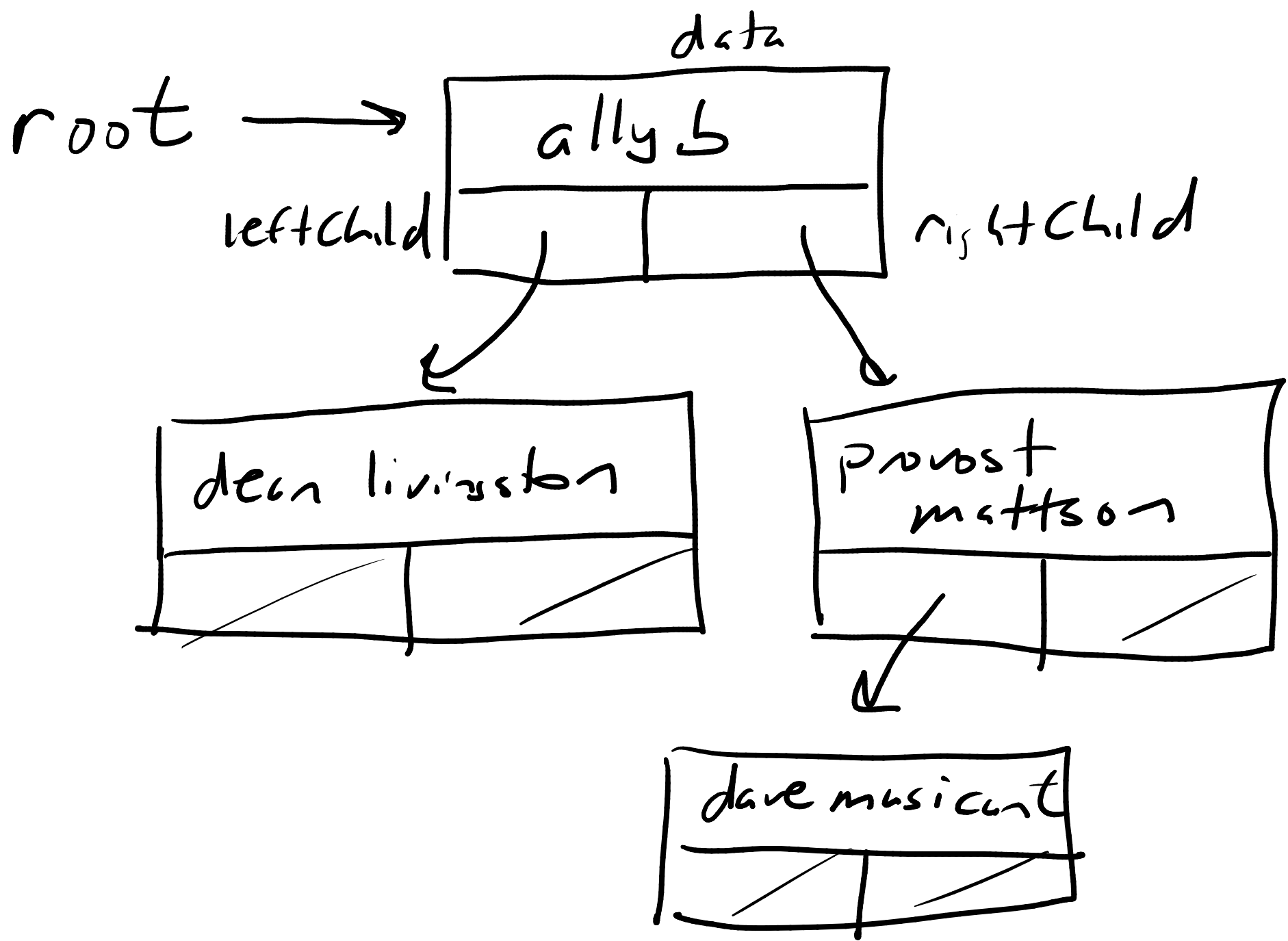
hash table (...) ←  
arrays  
lists  
linked lists } slower than  
fast → binary search trees

priority queue

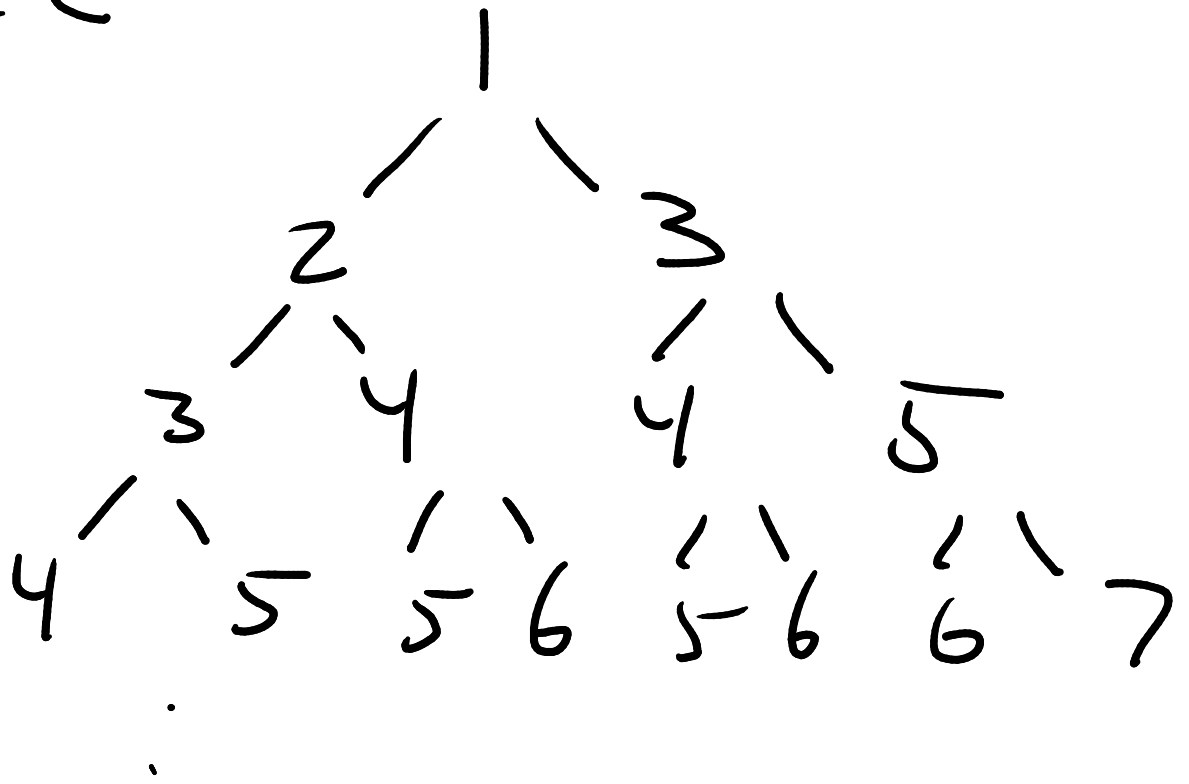
heap (a specialized  
binary tree)

arrays  
lists  
⋮

↑  
fast!



makeTree



tree

