LiU-FP2010 Part II, Linkping, 17–19 May 2010 Exercises, Lecture 3: Purely Functional Data Structures Henrik Nilsson

For the examination, choose 2 of the following:

- Write a function drop :: Int -> RList a -> RList a that deletes the first n elements for a binary random-access list. Your function should run in O(logn) time. (From Purely Functional Data Structures by Chris Okasaki, 1998.)
- 2. Reimplement binary random-access lists using a sparse representation such as:

data Tree a = Leaf a | Node Int (Tree a) (Tree a)
type RList a = [Tree a]

(From Purely Functional Data Structures by Chris Okasaki, 1998.)

3. Implement drop as specified above for *skew* binary random-access lists.