Mandatory Exercise: External Memory

Philip Bille

- **1 String Reversal** Let *S* be a string of length *N* stored in O(N/B) blocks. We want to compute the *reverse* string S^R of *S*. Solve the following exercises.
 - **1.1** Give an efficient algorithm to reverse *S* in the I/O model.
 - 1.2 Give an efficient algorithm to reverse S in the cache-oblivious model.