

## Homework set 13: Simple programs in ML — due Monday 19 March

Total number of points available on this homework is 100. Full credit is equivalent to 100 points.

1. (15 pts.) String manipulation. Do Exercise 3.3.9 from Ullman (p. 76).
2. (20 pts.) String manipulation. Do Exercise 3.3.10 from Ullman (p. 76).
3. (15 pts.) Representing sets using lists. Do Exercise 3.3.11 from Ullman (p. 76).
4. (30 pts.) Representing sets using lists. Do Exercise 3.3.13 from Ullman (p. 76).
5. (20 pts.) If  $xs$  is a list, the evaluation of  $map\ f\ (map\ g\ xs)$  requires two traversals of a list. Simplify the expression so that only one traversal is needed.