

## 2008 Paper 1 Question 12

### Algorithms

- (a) Carefully describe the purpose and structure of a skip list. Provide a pseudocode definition for a skip-list node. [7 marks]
- (b) Write pseudocode to find an integer in a skip list. [7 marks]
- (c) Describe *two* situations in which you would implement a skip list in preference to a hash table. [6 marks]