Exercises

Exercise 1. How is the following 10-dimensional sparse vector represented economically as a symbol table?

0 0 3.14159 0 2.71828 0 0 0 0

Exercise 2. How is the following 5-by-10 sparse matrix represented economically as an array of sparse vectors (symbol tables)?

Solutions to Exercises $\mathbf{2}$

Solution 1. {2: 3.14159, 4: 2.71828}

Solution 2.

- 0: \s
 {2: 6, 8: 9}
 {0: 7, 5: 2, 8: 2}
 {0: 9, 3: 1}
 {9: 4} {} 1: 2: 3:
- 4: