Solve the traveling salesman problem by several methods. Compare the results.

|  | $a$ | $b$ | c | $d$ | $e$ | $f$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $a$ |  | 8 | 4 | 6 | 12 | 2 |
| $b$ | 8 |  | 13 | 9 | 1 | 7 |
| $c$ | 4 | 13 |  | 16 | 11 | 6 |
| $d$ | 6 | 9 | 16 |  | 3 | 14 |
| $e$ | 12 | 1 | 11 | 3 |  | 13 |
| $f$ | 2 | 7 | 6 | 14 | 13 |  |

## The traveling salesman problem. Variant 2.

Solve the traveling salesman problem by several methods. Compare the results.

|  | $a$ | $b$ | c | $d$ | $e$ | $f$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $a$ |  | 12 | 4 | 14 | 12 | 7 |
| $b$ | 12 |  | 13 | 9 | 6 | 7 |
| c | 4 | 13 |  | 17 | 8 | 6 |
| $d$ | 14 | 9 | 17 |  | 4 | 3 |
| $e$ | 12 | 6 | 8 | 4 |  | 11 |
| $f$ | 7 | 7 | 6 | 3 | 11 |  |

The traveling salesman problem. Variant 3.
Solve the traveling salesman problem by several methods. Compare the results.

|  | $a$ | $b$ | c | $d$ | $e$ | $f$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $a$ |  | 12 | 9 | 11 | 2 | 2 |
| $b$ | 12 |  | 13 | 9 | 10 | 7 |
| c | 9 | 13 |  | 5 | 11 | 6 |
| $d$ | 11 | 9 | 5 |  | 3 | 17 |
| $e$ | 2 | 10 | 11 | 3 |  | 13 |
| $f$ | 2 | 7 | 6 | 17 | 13 |  |

The traveling salesman problem. Variant 4.

Solve the traveling salesman problem by several methods. Compare the results.

|  | $a$ | $b$ | c | $d$ | $e$ | $f$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $a$ |  | 9 | 4 | 6 | 14 | 2 |
| $b$ | 9 |  | 5 | 9 | 1 | 11 |
| c | 4 | 5 |  | 13 | 11 | 7 |
| $d$ | 6 | 9 | 13 |  | 3 | 14 |
| $e$ | 14 | 1 | 11 | 3 |  | 2 |
| $f$ | 2 | 11 | 7 | 14 | 2 |  |

