**TEST CASE 1**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 4  1 2 3 4 | 2 1 4 3 |

**TEST CASE 2**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 5  1 2 3 4 5 | 2 1 4 3 5 |

**TEST CASE 3**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 4  1 0 6 3 | 0 1 3 6 |

**TEST CASE 4**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 7  10 90 49 2 1 5 23 | 90 10 2 49 5 1 23 |

**TEST CASE 5**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 10  7 4 8 1 0 9 4 8 9 9 | 4 7 1 8 9 0 8 4 9 9 |

**TEST CASE 6**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 6  6 5 4 3 2 1 | 5 6 3 4 1 2 |

**TEST CASE 7**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 6  76 45 81 22 90 67 | 45 76 22 81 67 90 |

**TEST CASE 8**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 6  3 3 2 2 1 1 | 3 3 2 2 1 1 |

**TEST CASE 9**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 22  929 567893 99 45734 10 7843 73457 745 33 123 75345 0 10 7435 543 97543 8587245 7835 74 1 54 54 | 567893 929 45734 99 7843 10 745 73457 123 33 0 75345 7435 10 97543 543 7835 8587245 1 74 54 54 |

**TEST CASE 10**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 17  1 5 8 3 8 4 0 9 8 7 6 5 4 3 2 1 9 | 5 1 3 8 4 8 9 0 7 8 5 6 3 4 1 2 9 |