**TEST CASE 1**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 6  1 2 0 0 0 3 | 1 2 3 0 0 0 |

**TEST CASE 2**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 4  0 1 0 2 | 1 2 0 0 |

**TEST CASE 3**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 5  0 0 0 0 5 | 5 0 0 0 0 |

**TEST CASE 4**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 8  1 2 0 4 3 0 5 0 | 1 2 4 3 5 0 0 0 |

**TEST CASE 5**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 5  3 5 4 0 0 | 3 5 4 0 0 |

**TEST CASE 6**

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

**TEST CASE 7**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 10  12 22 39 64 945 536548 0 5875 0 74 | 12 22 39 64 945 536548 5875 74 0 0 |

**TEST CASE 8**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 4  -67 0 22 -45 | -67 22 -45 0 |

**TEST CASE 9**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 3  987654321 0 2147483647 | 987654321 2147483647 0 |

**TEST CASE 10**

| **INPUT** | **OUTPUT** |
| --- | --- |
| 22  929 567893 0 45734 0 7843 73457 745 33 -123 -75345 0 0 7435 543 897543 -278587245 7835 74 1 54 54 | 929 567893 45734 7843 73457 745 33 -123 -75345 7435 543 897543 -278587245 7835 74 1 54 54 0 0 0 0 |