**TEST CASE 1**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **5**  **67 45 88 75 92**  **75** | **3** |

**TEST CASE 2**

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

**TEST CASE 3**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **4**  **11 33 55 77**  **44** | **-1** |

**TEST CASE 4**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **5**  **1 3 5 7 3**  **3** | **1** |

**TEST CASE 5**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **4**  **-32 17 -28 37**  **-28** | **2** |

**TEST CASE 6**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **2**  **983646 2147483647**  **2147483647** | **1** |

**TEST CASE 7**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **3**  **67462 784564 6746**  **7474** | **-1** |

**TEST CASE 8**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **3**  **6262 875 273734**  **6262** | **0** |

**TEST CASE 9**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **3**  **343 642 738 281**  **281** | **-1** |

**TEST CASE 10**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **10**  **7645**  **846574834**  **45279**  **970975**  **7481**  **853498734**  **1063**  **2147483647**  **7481**  **2147383649**  **7481** | **4** |