**TEST CASE 1**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **7** | **8** |

**TEST CASE 2**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **1** | **0** |

**TEST CASE 3**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **2** | **1** |

**TEST CASE 4**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **3** | **1** |

**TEST CASE 5**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **9** | **21** |

**TEST CASE 6**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **22** | **10946** |

**TEST CASE 7**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **36** | **9227465** |

**TEST CASE 8**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **40** | **63245986** |

**TEST CASE 9**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **45** | **701408733** |

**TEST CASE 10**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **47** | **1836311903** |