等价类划分表：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 输入条件 | 有效等价类 | 编号 | 无效等价类 | 编号 |
| Year | Year为闰年 | 1 |  |  |
| Year不为闰年 | 2 |  |  |
| Year为正整数 | 3 | Year为非正数 | 13 |
| Year为非整数 | 14 |
| Month | Month=1, 3, 5, 7, 8, 10 | 4 | Month<1 | 15 |
| Month=4, 6, 9, 11 | 5 | Month>12 | 16 |
| Month = 2 | 6 | Month为非整数 | 17 |
| Month = 12 | 7 |
| Day | 1<=day<=27 | 8 | Day<1 | 18 |
| Day=28 | 9 | Day为非整数 | 19 |
| Day=29 | 10 |
| Day=30 | 11 |
| Day=31 | 12 | Day>31 | 20 |

测试用例（弱一般等价类测试）：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 测试用例编号 | 输入数据 | | | 预期输出 | 覆盖等价类 |
| Year | Month | Day |
| 1 | 1999 | 1 | 13 | 3 | 2，4，8 |
| 2 | 1998 | 4 | 28 | 2 | 2，5，9 |
| 3 | 2000 | 2 | 29 | 2 | 1，6，10 |
| 4 | 2001 | 12 | 30 | 0 | 2，7，11 |
| 5 | 2017 | 3 | 31 | 5 | 2，4，12 |

测试用例（弱健壮等价类测试）：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 测试用例编号 | 输入数据 | | | 预期输出 | 覆盖等价类 |
| Year | Month | Day |
| 1 | 1999 | 1 | 13 | 3 | 2，4，8 |
| 2 | 1998 | 4 | 28 | 2 | 2，5，9 |
| 3 | 2000 | 2 | 29 | 2 | 1，6，10 |
| 4 | 2001 | 12 | 30 | 0 | 2，7，11 |
| 5 | 2017 | 3 | 31 | 5 | 2，4，12 |
| 6 | -1 | 1 | 13 | -1 | 13 |
| 7 | 2016.1 | 1 | 13 | -1 | 14 |
| 8 | 1999 | 0 | 13 | -1 | 15 |
| 9 | 1999 | 13 | 13 | -1 | 16 |
| 10 | 1999 | 1.1 | 13 | -1 | 17 |
| 11 | 1999 | 1 | 0 | -1 | 18 |
| 12 | 1999 | 1 | 1.1 | -1 | 19 |
| 13 | 1999 | 11 | 32 | -1 | 20 |