Multiple-Condition Coverage

|  |  |  |
| --- | --- | --- |
| Combination | Possible Test Case | Branch |
| TX | -25:00:00 |  |
| FT | 25:00:00 |  |

Hours: minutes: seconds

If (hr < 0 || hr > 24)

If (min < 0 || min > 59)

|  |  |  |
| --- | --- | --- |
| Combination | Possible Test Case | Branch |
| TX | -25:00:00 | 4-5 |
| FT | 25:00:00 | 4-5 |

|  |  |  |
| --- | --- | --- |
| Combination | Possible Test Case | Branch |
| TX | 23:-23:00 | 10-11 |
| FT | 23:65:00 | 10-11 |

If (sec >= 0 && sec <= 59)

|  |  |  |
| --- | --- | --- |
| Combination | Possible Test Case | Branch |
| TT | 23:23:23 | 13-14 |
| TF | 23:23:65 | 13-15 |
| FX | 23:23:-15 | 13-15 |

Else if (hr == 24 && min == 0 && sec == 0)

|  |  |  |
| --- | --- | --- |
| Combination | Possible Test Case | Branch |
| TTT | 24:00:00 | 17-18 |
| TTF | 24:00:01 | 17-19 |
| TFX | 24:01:00 | 17-19 |
| FXX | 23:00:00 | 17-19 |