**Table 1. Equivalence Partitions:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Partition ID** | **Input/output** | **Valid partition** | **Invalid partition** | **Inputs** |
| 1 | Hours | 3<=Hours<=24 | X | 3 |
| 2 | Hours | X | Hours >24 | 1000 |
| 3 | Hours | -1 | X | -1 |
| 4 | Hours | X | 24 | 24 |
| 5 | Hours | X | -1<Hours<3 | 0 |
| 6 | Hours | X | Hours<-1 | -20 |
| 7 | RunTotal | 2<=RunTotal<=10 | X | 3 |
| 8 | RunTotal | RunTotal<0 | X | -5 |
| 9 | RunTotal | X | RunTotal>10 | 1000 |
| 10 | RunTotal | X | 0<RunTotal<2 | 1 |
| 11 | Total Cost | TotalCost>0 | X | 5 |
| 12 | TotalCost | X | TotalCost<0 | -122 |

**Table 2. Test Case:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Test inputs** | **Expected output** | **Partition ID covered** |
| 1 | 3 | $2 - MinCharge | 1 |
| 2 | 1000 | $10 - MaxCharge | 2 |
| 3 | -1 | $2 - MinCharge | 3 |
| 4 | 24 | $10 - MaxCharge | 4 |
| 5 | 0 | $2 - MinCharge | 5 |
| 6 | -20 | Error – Not Valid | 6 |
| 7 | 4 | $2.5 | 7 |
| 8 | -5 | Error – Not Valid | 8 |
| 9 | 1000 | $10 - MaxCharge | 9 |
| 10 | 1 | Error – Too Small | 10 |
| 11 | 5 | $3 | 11 |
| 12 | -122 | Error – Not Valid | 12 |