**STATE DIAGRAM TEST CASES**

|  |  |  |  |
| --- | --- | --- | --- |
| **Current State** | **Input(Event)** | **Output(for Action)** | **Next State** |
| S0 | E1 | A1 | S1 |
| S1 | E2 | A2 | S2 |
| S2 | E3 | A3 | S3 |
| S2 | E2 | A4 | S4 |
| S3 | E5 | A4 | S4 |
| S1 | E4 | A4 | S4 |
| S2 | E2 | A1 | S1 |
| S3 | E3 | A2 | S2 |