|  |  |
| --- | --- |
| Atom | Scope |
| PID | 3 |

|  |  |
| --- | --- |
| State variable | Type |
| album | seq PID |
| toAdd | seq PID |
| existing | seq PID |
| toDelete | seq PID |

|  |
| --- |
| Invariant |
| album in Int lone -> lone PID |
| no toAdd & existing |
| toDelete in existing |
| no toAdd & toDelete |
| #album <= 3 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| sample.OperationFixture |  |  |  |  |
| addPhoto |  |  |  |  |
| pid:PID | #album < 3 and  pid !in toAdd + existing | #album < 3 and pid in toDelete | pid in album.elems | #album = 3 |
| album | album.add[pid] | album.add[pid] | album | album |
| toAdd | toAdd + pid | toAdd | toAdd | toAdd |
| toDelete | toDelete | toDelete – pid | toDelete | toDelete |