| Time              | ST ()()    |
|-------------------|------------|
| reset             |            |
| clock             |            |
| io_badEvent_group |            |
| io_badEvent       |            |
| syncBadEvent_REG  |            |
| syncBadEvent      |            |
| io_clear_group    |            |
| io_clear          |            |
| syncClearl        |            |
| syncClear         |            |
| clearDelay        |            |
| io_ringBell_group |            |
| io_ringBell       |            |
| stateReg[1:0]     | 00 101 100 |
|                   |            |
|                   |            |