

| The test results of Teleportation mutants | | | | | |
|---|--|--|---|--------------|---------------------|
| No. | Main Code | Mutant Code | Result | Run Time(ms) | Executed test cases |
| 1 | if (b1) {Z(qBob);} | if (b1) {X(qBob);} | killed | 14826 | 1 |
| 2 | if (b2) {X(qBob);} | if (b2) {Z(qBob);} | killed | 15121 | 1 |
| 3 | if (b1)X(qBob); if (b2)Z(qBob); | if (b1)Z(qBob); if (b2)X(qBob); | killed | 15542 | 1 |
| 4 | H(qAlice) | H(qBob); | killed | 29448 | 2 |
| 5 | H(qMessage) | H(qAlice); | killed | 14475 | 1 |
| 6 | M(qAlice) == One | M(qAlice) != One | killed | 15890 | 1 |
| 7 | M(qMessage) == One | M(qMessage) != One | not killed | 161437 | 10 |
| 8 | if (b2) {X(qBob);} | if statement deleted | killed | 15577 | 1 |
| 9 | CNOT(qMessage, qAlice) | deleted | killed | 13934 | 1 |
| 10 | CNOT(qMessage, qAlice) | duplicate | killed | 16213 | 1 |
| 11 | Z(qBob) | duplicate | not killed | 162513 | 10 |
| 12 | X(qBob) | duplicate | killed | 15163 | 1 |
| 13 | CNOT(qMessage, qAlice); H(qMessage); | H(qMessage); CNOT(qMessage, qAlice); | killed | 15547 | 1 |
| 14 | H(qAlice); CNOT(qAlice, qBob); | CNOT(qAlice, qBob); H(qAlice); | killed | 15229 | 1 |
| 15 | M(qMessage) == One | M(qMessage) == Zero | not killed | 157997 | 10 |
| 16 | M(qAlice) == One | M(qAlice) == Zero | killed | 14816 | 1 |
| 17 | H(qMessage); _ | H(qMessage); let result = M(qMessage); H(qMessage); | not killed | 169646 | 10 |
| 18 | let classicalBits = SendMessage_Reference(qAlice, qMessage) | mutable classicalBits = SendMessage_Reference(qAlice, qMessage); set classicalBits = SendMessage_Reference(qAlice, qMessage); | not killed | 60139 | 3 |
| 19 | ReconstructMessage_Reference (qBob, classicalBits); | ReconstructMessage_Reference(qAlice, classicalBits); | killed | 14080 | 1 |
| 20 | ReconstructMessage_Reference (qBob, classicalBits); | duplicate | killed | 16910 | 1 |
| The mutation score was = 75 | | | The average execution time = 54530 (ms) | | |