

General test specification:

- completely test MULT functionality.
- execute all lines of MULT code.

Detailed test specification:

A. Operations & sequences

1. Execute operation after reset.
2. Execute reset after operation.

B. Specific data corners

1. Simulate multiplication of minimum values.
2. Simulate multiplication of maximum values.
3. Simulate multiplication of minimum value as first input and maximum value as second input.
4. Simulate multiplication of maximum value as first input and minimum value as second input.
5. Simulate all zeroes as inputs.
6. Simulate all ones as inputs.
7. Simulate parity of all inputs is correct.
8. Simulate parity of first input is incorrect.
9. Simulate parity of second input is incorrect.
10. Simulate parity of all inputs is incorrect.