General test specification:

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

Detailed test specification:

A. Operations & sequences

1. Check results when parity of all inputs is correct.
2. Check results when parity of first input is incorrect.
3. Check results when parity of second input is incorrect.
4. Check results when parity of all inputs is incorrect
5. Execute operation after reset
6. 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.