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1: // Copyright 2022 Anson Cheang
2: // test.cpp
3: // updated 1/30/22-1/31/22
4: // updated by Anson Cheang
5:
6: #define BOOST_TEST_DYN_LINK
7: #define BOOST_TEST_MODULE Main
8:
9: #include "CircularBuffer.h"
10: #include "StringSound.h"
11:
12: #include <iostream>
13: #include <sstream>
14: #include <string>
15: #include <boost/test/unit_test.hpp>
16:
17: BOOST_AUTO_TEST_CASE(sixteenBitsThreeTaps) {
18:     BOOST_REQUIRE_THROW(StringSound l(0), std::invalid_argument);
19:     BOOST_REQUIRE_THROW(StringSound l2(-1), std::invalid_argument);
20:     BOOST_REQUIRE_NO_THROW(StringSound l3(5));
21:     StringSound l3(5);
22:     BOOST_REQUIRE_THROW(l3.tic(), std::runtime_error);
23:     BOOST_REQUIRE_THROW(l3.sample(), std::runtime_error);
24:     l3.pluck();
25:     BOOST_REQUIRE_NO_THROW(l3.tic());
26:     BOOST_REQUIRE_NO_THROW(l3.sample());
27: }
```