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/* The following code example is taken from the book
 * "The C++ Standard Library – A Tutorial and Reference, 2nd Edition"
 * by Nicolai M. Josuttis, Addison-Wesley, 2012
 *
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 */
#include <ratio>
#include <iostream>
using namespace std;

int main()
{
    typedef ratio<5,3> FiveThirds;
    cout << FiveThirds::num << "/" << FiveThirds::den << endl;

    typedef ratio<25,15> AlsoFiveThirds;
    cout << AlsoFiveThirds::num << "/" << AlsoFiveThirds::den << endl;

    ratio<42,42> one;
    cout << one.num << "/" << one.den << endl;

    ratio<0> zero;
    cout << zero.num << "/" << zero.den << endl;

    typedef ratio<7,-3> Neg;
    cout << Neg::num << "/" << Neg::den << endl;
}

```