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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 <iostream>
#include <sstream>

template <typename charT, typename traits>
inline
std::basic_ostream<charT, traits>&
operator << (std::basic_ostream<charT, traits>& strm,
            const Fraction& f)
{
    // string stream
    // - with same format
    // - without special field width
    std::basic_ostringstream<charT, traits> s;
    s.copyfmt(strm);
    s.width(0);

    // fill string stream
    s << f.numerator() << '/' << f.denominator();

    // print string stream
    strm << s.str();

    return strm;
}

```