```
/* The following code example is taken from the book
* "The C++ Standard Library - A Tutorial and Reference"
* by Nicolai M. Josuttis, Addison-Wesley, 1999
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#include <iostream>
template <class charT, class traits>
inline
std::basic_istream<charT, traits>&
operator >> (std::basic istream<charT, traits>& strm, Fraction& f)
    int n, d;
    // read value of numerator
    strm >> n;
    /* if available
     * - read '/' and value of demonimator
    if (strm. peek() == '/')  {
        strm.ignore();
        strm >> d;
    else {
        d = 1;
    /* if denominator is zero
     * - set failbit as I/O format error
     */
    if (d == 0) {
        strm. setstate(std::ios::failbit);
        return strm;
    /* if everything is fine so far
     * change the value of the fraction
     */
    if (strm) {
        f = Fraction(n, d);
    return strm;
```