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/* 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 <functional>
#include <cmath>

template <class T1, class T2>
struct fopow : public std::binary_function<T1, T2, T1>
{
    T1 operator() (T1 base, T2 exp) const {
        return std::pow(base, exp);
    }
};

```