

```
/* 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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 * warranty, and with no claim as to its suitability for any purpose.
 */
#include <cmath>

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