log

这是自然对数

C++ 11 函数原型如下:

```
double log (double x);
  float log (float x);
long double log (long double x);
  double log (T x);  // additional overloads for integral types
```

Returns the *natural logarithm* of x.

The natural logarithm is the base-e logarithm: the inverse of the natural exponential function ($\underline{\text{exp}}$). For common (base-10) logarithms, see $\underline{\text{log10}}$.

测试