complex.ln

```

Copy fnln(self:T)->T;

```

Returns the natural logarithm of the complex number.

Args

- self
- (T
-) - The input complex number.
-

Returns

A complex number representing the natural logarithm of the input number.

Examples

```

Copy useorion::numbers::complex_number::{complex_trait::ComplexTrait, complex64::complex64}; useorion::numbers::
{FP64x64,FP64x64Impl,FixedTrait};

fnln_complex64_example()->complex64 { letz:complex64=ComplexTrait::new(
FixedTrait::new(73786976294838206464,false), FixedTrait::new(77476325109580116787 2,false) );// 4 + 42i z.ln() }

                {real:{mag:69031165121136819 70, sign:false}, im:{mag:27224496882576083824,
                sign:false}}// 3.7421843216430655 + 1.4758446204521403 i

```

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