

complex.mag

...

Copy `fnmag(self:T)->F;`

...

Returns the magnitude of the complex number

Args

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

Returns

A fixed point number "", representing the magnitude of the complex number. `'mag(z) = sqrt(a^2 + b^2)'`.

Examples

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Copy `use orion::numbers::complex_number::{complex_trait::ComplexTrait, complex64::complex64}; use orion::numbers:: {FP64x64,FP64x64Impl,FixedTrait};`

```
fn mag_complex64_example()->FP64x64{ let z:complex64=ComplexTrait::new(
FixedTrait::new(73786976294838206464,false), FixedTrait::new(774763251095801167872,false) );// 4 + 42i z.mag() }

{mag:0x2a30a6de7900000000, sign:false} // mag = 42.190046219457976
```

...

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