

complex.conjugate

...

```
Copy fnconjugate(self:T)->T;
```

...

Returns the conjugate of a complex number. The complex number is represented in Cartesian form $z = a + bi$. The conjugate of $z = a + bi$ is $\bar{z} = a - bi$

Args

- self
- (T
-) - The complex number from which we want the conjugate.
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Returns

A complex number , representing the imaginary part of self .

Examples

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

```
fn conjugate_complex64_example()->complex64 {  
    let z:complex64=ComplexTrait::new(FixedTrait::new(18446744073709551616,false),  
    FixedTrait::new(18446744073709551616,false)); z.conjugate() }
```

```
        {real:{mag:184467440737095516160, sign:false}, im:{mag:18446744073709551616,  
        sign:true}}// 10 - i
```

...

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