Sobrecarga: Operadores de negación (-,!)

```
main.cpp
    q = -f_i
// fraction.h
class Fraction
    friend Fraction operator-(const Fraction & rhs);
// fraction.cpp
Fraction operator-(const Fraction & rhs)
    Fraction temp;
    temp.m_numerator = -rhs.m_numerator;
    temp.m_denominator = rhs.m_denominator;
    return temp;
```

```
// main.cpp
                      f en main
                                            g en main
                        m numerator: 9
                                             m numerator: 9
                       m denominator: 64
                                            m denominator: 32
// fraction.h
class Fraction
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// fraction.cpp
Fraction operator-(const Fraction & rhs)
    Fraction temp;
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    return temp;
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```
f en main
                                             g en main
   main.cpp
                                             *this en operator-
                       rhs en operator-
                        m numerator: 9
                                              m numerator: 9
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```

temp

m_numerator: ?
m denominator: ?

```
f en main
                                             g en main
   main.cpp
                                             *this en operator-
                       rhs en operator-
                        m numerator: 9
                                              m numerator: 9
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    return temp;
```

temp

m_numerator: -9 m denominator: ?

```
f en main
                                             g en main
  main.cpp
                                             *this en operator-
                       rhs en operator-
                        m numerator: 9
                                              m numerator: 9
                        m denominator: 64
                                              m denominator: 32
// fraction.h
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Fraction operator-(const Fraction & rhs)
    Fraction temp;
    temp.m_numerator = -rhs.m_numerator;
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    return temp;
```

temp

m_numerator: -9 m denominator: 64

```
f en main
                                             g en main
  main.cpp
                                             *this en operator-
                       rhs en operator-
                        m numerator: 9
                                              m numerator: 9
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    Fraction temp;
    temp.m_numerator = -rhs.m_numerator;
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```

temp

m_numerator: -9 m denominator: 64

```
f en main
                                             g en main
  main.cpp
                                             *this en operator-
                       rhs en operator-
                        m numerator: 9
                                              m numerator: -9
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    friend Fraction operator-(const Fraction & rhs);
// fraction.cpp
Fraction operator-(const Fraction & rhs)
    Fraction temp;
    temp.m_numerator = -rhs.m_numerator;
    temp.m_denominator = rhs.m_denominator;
    return temp;
```

temp

m_numerator: -9 m denominator: 64

```
main.cpp
    !f;
// fraction.h
class Fraction
    void operator!();
// fraction.cpp
void Fraction::operator ! ()
    int temp = m_numerator;
    m_numerator = m_denominator;
    m_denominator = temp;
    return;
```

```
// main.cpp
                      f en main
                        m numerator: 9
                       m denominator: 64
// fraction.h
class Fraction
    void operator!();
// fraction.cpp
void Fraction::operator ! ()
    int temp = m_numerator;
    m_numerator = m_denominator;
    m_denominator = temp;
    return;
```

```
f en main
   main.cpp
                       *this en operator!
                        m numerator: 9
                        m denominator: 64
// fraction.h
class Fraction
    void operator!();
// fraction.cpp
void Fraction::operator ! ()
    int temp = m_numerator;
    m_numerator = m_denominator;
    m_denominator = temp;
    return;
```

```
f en main
   main.cpp
                       *this en operator!
                                               temp
                        m numerator: 9
                        m denominator: 64
// fraction.h
class Fraction
    void operator!();
// fraction.cpp
void Fraction::operator ! ()
    int temp = m_numerator;
    m_numerator = m_denominator;
    m_denominator = temp;
    return;
```

```
f en main
   main.cpp
                       *this en operator!
                                               temp
                        m numerator: 64
                        m denominator: 64
// fraction.h
class Fraction
    void operator!();
// fraction.cpp
void Fraction::operator ! ()
    int temp = m_numerator;
    m_numerator = m_denominator;
    m_denominator = temp;
    return;
```

```
f en main
   main.cpp
                       *this en operator!
                                              temp
                        m numerator: 64
                        m denominator: 9
// fraction.h
class Fraction
    void operator!();
// fraction.cpp
void Fraction::operator ! ()
    int temp = m_numerator;
    m_numerator = m_denominator;
    m_denominator = temp;
    return;
```

```
f en main
   main.cpp
                       *this en operator!
                                              temp
                        m numerator: 64
                        m denominator: 9
// fraction.h
class Fraction
    void operator!();
// fraction.cpp
void Fraction::operator ! ()
    int temp = m_numerator;
    m_numerator = m_denominator;
    m_denominator = temp;
    return;
```