


Sobrecarga: operador producto (\*)

# Operador producto: ejemplo

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
    f*=g*=h;
}
```

# Operador producto: ejemplo

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,2)  h;
    h = f * g;
    f*=g*=h;
}
```


# Operador producto: ejemplo

```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```


```
    Fraction f(1,2), g(3,2)  h;
```

```
    h = f * g;
```

```
    f*=g*=h;
```

```
}
```

```
// fraction.cpp
```

```
 Fraction::Fraction() : m_numerator(0), m_denominator(1)
```

```
{
```

```
}
```

h

m\_numerator: ?  
m\_denominator: ?


# Operador producto: ejemplo

```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```


```
    Fraction f(1,2), g(3,2)  h;
```

```
    h = f * g;
```

```
    f*=g*=h;
```

```
}
```

```
// fraction.cpp
```

```
Fraction::Fraction  m_numerator(0), m_denominator(1)
```

```
{
```

```
}
```

h

m\_numerator: 0  
m\_denominator: ?


# Operador producto: ejemplo

```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```


```
    Fraction f(1,2), g(3,2)  h;
```

```
    h = f * g;
```

```
    f*=g*=h;
```

```
}
```

```
// fraction.cpp
```

```
Fraction::Fraction() : m_numerator(1)  m_denominator(1)
```

```
{
```

```
}
```

h

m\_numerator: 0  
m\_denominator: 1


# Operador producto: ejemplo

```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```

```
    Fraction f(1,2), g(3,2)  h;
```

```
    h = f * g;
```

```
    f*=g*=h;
```

```
}
```

```
// fraction.cpp
```

```
Fraction::Fraction() : m_numerator(0), m_denominator(1)
```


```
{
```

```
}
```

h

m\_numerator: 0  
m\_denominator: 1

# Operador producto: ejemplo

```
//main.cpp
...
int main()
{
    Fraction f(1,  g(3,4), h;
    h = f * g;
    f*=g*=h;
}
```

h

m\_numerator: 0  
m\_denominator: 1



# Operador producto: ejemplo

```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```


```
    Fraction f(1,  g(3,4), h;
```

```
    h = f * g;
```

```
    f*=g*=h;
```

```
}
```

```
// fraction.cpp
```

```
 Fraction::Fraction(const int num, const int den) :  
    m_numerator(num), m_denominator(den)
```

```
{
```

```
    if(m_denominator == 0)
```

```
    {
```

```
        cout << "error: 0 passed in as denominator" << endl;
```

```
        exit(1);
```

```
    }
```

```
}
```

g

m\_numerator: ?  
m\_denominator: ?

h

m\_numerator: 0  
m\_denominator: 1

# Operador producto: ejemplo

```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```

```
    Fraction f(1,  g(3,4), h;
```


```
    h = f * g;
```

```
    f*=g*=h;
```

```
}
```

```
// fraction.cpp
```

```
Fraction::Fraction(const int num, const int den) :
```

```
 m_numerator(num), m_denominator(den)
```

```
{
```

```
    if(m_denominator == 0)
```

```
    {
```

```
        cout << "error: 0 passed in as denominator" << endl;
```

```
        exit(1);
```

```
    }
```

```
}
```

g

m\_numerator: 3  
m\_denominator: ?

h

m\_numerator: 0  
m\_denominator: 1

# Operador producto: ejemplo

```
//main.cpp
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```
int main()
```

```
{
```

```
    Fraction f(1,  g(3,4), h;
```

```
    h = f * g;
```

```
    f*=g*=h;
```

```
}
```

g

m\_numerator: 3  
m\_denominator: 4

h

m\_numerator: 0  
m\_denominator: 1

```
// fraction.cpp
```

```
Fraction::Fraction(const int num, const int den) :
```

```
    m_numerator(num,  m_denominator(den)
```

```
{
```

```
    if(m_denominator == 0)
```

```
    {
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```
        cout << "error: 0 passed in as denominator" << endl;
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    Fraction f(1,  g(3,4), h;
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```
    h = f * g;
```

```
    f*=g*=h;
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```
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```
// fraction.cpp
```

```
Fraction::Fraction(const int num, const int den) :
```

```
    m_numerator(num), m_denominator(den)
```

```
{
```

```
 if(m_denominator == 0)
```

```
{
```

```
    cout << "error: 0 passed in as denominator" << endl;
```

```
    exit(1);
```

```
}
```

```
}
```

g

m\_numerator: 3  
m\_denominator: 4

h

m\_numerator: 0  
m\_denominator: 1

# Operador producto: ejemplo

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Fraction::Fraction(const int num, const int den) :
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    m_numerator(num), m_denominator(den)
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m\_numerator: 3  
m\_denominator: 4

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m\_numerator: 0  
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        cout << "error: 0 passed in as denominator" << endl;
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m\_numerator: 3  
m\_denominator: 4

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m\_numerator: 0  
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Fraction::Fraction(const int num, const int den) :
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    m_numerator(num), m_denominator(den)
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```
{
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    if(m_denominator == 0)
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        cout << "error: 0 passed in as denominator" << endl;
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        exit(1);
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    }
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```
}
```

m\_numerator: ?  
m\_denominator: ?

g

m\_numerator: 3  
m\_denominator: 4

h

m\_numerator: 0  
m\_denominator: 1


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```
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```
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int main()
```

```
{
```

```
    Fract  f(1,2), g(3,4), h;
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```
    h = f * g;
```

```
    f*=g*=h;
```

```
}
```

```
// fraction.cpp
```

```
Fraction::Fraction(const int num, const int den) :
```

```
 m_numerator(num), m_denominator(den)
```

```
{
```

```
    if(m_denominator == 0)
```

```
    {
```

```
        cout << "error: 0 passed in as denominator" << endl;
```

```
        exit(1);
```

```
    }
```

```
}
```

m\_numerator: 1  
m\_denominator: ?

g

m\_numerator: 3  
m\_denominator: 4

h

m\_numerator: 0  
m\_denominator: 1




# Operador producto: ejemplo

```
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```
...
```

```
int main()
```

```
{
```

```
    Fract  f(1,2), g(3,4), h;
```

```
    h = f * g;
```

```
    f*=g*=h;
```

```
}
```

```
// fraction.cpp
```

```
Fraction::Fraction(const int num, const int den) :
```

```
    m_numerator(num)  m_denominator(den)
```

```
{
```

```
    if(m_denominator == 0)
```

```
    {
```

```
        cout << "error: 0 passed in as denominator" << endl;
```

```
        exit(1);
```

```
    }
```

```
}
```

f  
m\_numerator: 1  
m\_denominator: 2

g

m\_numerator: 3  
m\_denominator: 4

h

m\_numerator: 0  
m\_denominator: 1


# Operador producto: ejemplo

```
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```
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```
int main()
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```

```
    Fract  f(1,2), g(3,4), h;
```

```
    h = f * g;
```

```
    f*=g*=h;
```


```
}
```

```
// fraction.cpp
```

```
Fraction::Fraction(const int num, const int den) :
```

```
    m_numerator(num), m_denominator(den)
```

```
{
```

```
 if(m_denominator == 0)
```

```
{
```

```
    cout << "error: 0 passed in as denominator" << endl;
```

```
    exit(1);
```

```
}
```

```
}
```

f  
m\_numerator: 1  
m\_denominator: 2

g

m\_numerator: 3  
m\_denominator: 4

h

m\_numerator: 0  
m\_denominator: 1


# Operador producto: ejemplo

```
//main.cpp
```

```
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```
int main()
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```
{
```

```
    Fract  f(1,2), g(3,4), h;
```

```
    h = f * g;
```

```
    f*=g*=h;
```

```
}
```

```
// fraction.cpp
```

```
Fraction::Fraction(const int num, const int den) :
```

```
    m_numerator(num), m_denominator(den)
```

```
{
```

```
    if(m_denominator == 0)
```

```
    {
```

```
        cout << "error: 0 passed in as denominator" << endl;
```

```
        exit(1);
```

```
    }
```

```
 }
```

f  
m\_numerator: 1  
m\_denominator: 2


g

m\_numerator: 3  
m\_denominator: 4

h

m\_numerator: 0  
m\_denominator: 1

# Operador producto: ejemplo

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
     f * g;
    f*=g*=h;
}
```

f  
m\_numerator: 1  
m\_denominator: 2

g

m\_numerator: 3  
m\_denominator: 4

h

m\_numerator: 0  
m\_denominator: 1

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    ➡ f * g;
    f*=g*=h;
}
```

f en main  
lhs en operator\*

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 0  
m\_denominator: 1

```
➡ Fraction operator* (const Fraction & lhs, const Fraction & rhs)
{
    Fraction result(lhs);
    return (result*=rhs);
}
```

//main.cpp

...

int main()

{

Fraction f(1,2), g(3,4), h;

➡ f \* g;

f\*=g\*=h;

}

f en main  
lhs en operator\*

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 0  
m\_denominator: 1


Fraction operator\* (const Fraction & lhs, const Fraction & rhs)

{

➡ Fraction result(lhs);

return (result\*=rhs);

}

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
     f * g;
    f*=g*=h;
}
```

f en main  
lhs en operator\*

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*

m\_numerator: 3  
m\_denominator: 4


h en main

m\_numerator: 0  
m\_denominator: 1

result en operator\*

m\_numerator: ?  
m\_denominator: ?

```
Fraction operator* (const Fraction & lhs, const Fraction & rhs)
{
     Fraction result(lhs);
    return (result*=rhs);
}
```

```
 Fraction::Fraction(const Fraction & source) :
    m_numerator(source.m_numerator), m_denominator(source.m_denominator) {}
```

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    ➡ f * g;
    f*=g*=h;
}
```

f en main  
lhs en operator\*

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 0  
m\_denominator: 1


result en operator\*

m\_numerator: 1  
m\_denominator: ?

```
Fraction operator* (const Fraction & lhs, const Fraction & rhs)
{
    ➡ Fraction result(lhs);
    return (result*=rhs);
}
```

```
Fraction::Fraction(const Fraction & source) :
➡ m_numerator(source.m_numerator), m_denominator(source.m_denominator) {}
```



```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
     f * g;
    f*=g*=h;
}
```

f en main  
lhs en operator\*

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*

m\_numerator: 3  
m\_denominator: 4


h en main


m\_numerator: 0  
m\_denominator: 1

result en operator\*

m\_numerator: 1  
m\_denominator: 2

```
Fraction operator* (const Fraction & lhs, const Fraction & rhs)
{
     Fraction result(lhs);
    return (result*=rhs);
}
```

```
Fraction::Fraction(const Fraction & source) :
    m_numerator(source.m_numerator)  m_denominator(source.m_denominator) {}
```

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
     f * g;
    f*=g*=h;
}
```

f en main  
lhs en operator\*

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 0  
m\_denominator: 1

result en operator\*

m\_numerator: 1  
m\_denominator: 2

```
Fraction operator* (const Fraction & lhs, const Fraction & rhs)
{
    Fraction result(lhs);
    return  (result*=rhs);
}
```


```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```

```
    Fraction f(1,2), g(3,4), h;
```

```
     f * g;
```

```
    f*=g*=h;
```

```
}
```

f en main  
lhs en operator\*

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*  
rhs en operator\* =

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 0  
m\_denominator: 1

result en operator\*  
\*this en operator\* =

m\_numerator: 1  
m\_denominator: 2


```
Fraction operator* (const Fraction & lhs, const Fraction & rhs)
```

```
{
```

```
    Fraction result(lhs);
```

```
    return  (result*=rhs);
```

```
}
```

```
 Fraction& Fraction::operator*= (const Fraction & rhs)
```

```
{
```

```
    m_numerator*=rhs.m_numerator;
```

```
    m_denominator*=rhs.m_denominator;
```

```
    return (*this);
```

```
}
```


```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```

```
    Fraction f(1,2), g(3,4), h;
```

```
     f * g;
```

```
    f*=g*=h;
```

```
}
```

f en main  
lhs en operator\*

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*  
rhs en operator\* =

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 0  
m\_denominator: 1


result en operator\*  
\*this en operator\* =

m\_numerator: 1  
m\_denominator: 2

```
Fraction operator* (const Fraction & lhs, const Fraction & rhs)
```

```
{
```


```
    Fraction result(lhs);
```

```
    return  (result*=rhs);
```

```
}
```

```
Fraction& Fraction::operator*= (const Fraction & rhs)
```

```
{
```

```
 m_numerator*=rhs.m_numerator;
```

```
    m_denominator*=rhs.m_denominator;
```

```
    return (*this);
```

```
}
```


```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```

```
    Fraction f(1,2), g(3,4), h;
```

```
     f * g;
```

```
    f*=g*=h;
```

```
}
```

f en main  
lhs en operator\*

m\_numerator: 1  
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g en main  
rhs en operator\*  
rhs en operator\* =

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 0  
m\_denominator: 1


result en operator\*  
\*this en operator\* =

m\_numerator: 3  
m\_denominator: 2

```
Fraction operator* (const Fraction & lhs, const Fraction & rhs)
```

```
{
```


```
    Fraction result(lhs);
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    return  (result*=rhs);
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```
Fraction& Fraction::operator*= (const Fraction & rhs)
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```
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```
 m_numerator*=rhs.m_numerator;
```

```
    m_denominator*=rhs.m_denominator;
```

```
    return (*this);
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```
}
```


```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```

```
    Fraction f(1,2), g(3,4), h;
```

```
     f * g;
```

```
    f*=g*=h;
```

```
}
```

f en main  
lhs en operator\*

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*  
rhs en operator\*=

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 0  
m\_denominator: 1

result en operator\*  
\*this en operator\*=

m\_numerator: 3  
m\_denominator: 8

```
Fraction operator* (const Fraction & lhs, const Fraction & rhs)
```

```
{
```

```
    Fraction result(lhs);
```


```
    return  (result*=rhs);
```

```
}
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Fraction& Fraction::operator*= (const Fraction & rhs)
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    m_numerator*=rhs.m_numerator;
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 m_denominator*=rhs.m_denominator;
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    Fraction f(1,2), g(3,4), h;
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     f * g;
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    f*=g*=h;
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f en main  
lhs en operator\*

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*  
rhs en operator\* =

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 0  
m\_denominator: 1


result en operator\*  
\*this en operator\* =

m\_numerator: 3  
m\_denominator: 8

```
Fraction operator* (const Fraction & lhs, const Fraction & rhs)
```

```
{
```

```
    Fraction result(lhs);
```

```
    return  (result*=rhs);
```


```
}
```

```
Fraction& Fraction::operator*= (const Fraction & rhs)
```


```
{
```

```
    m_numerator*=rhs.m_numerator;
```

```
    m_denominator*=rhs.m_denominator;
```

```
 return (*this);
```

```
}
```

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
     f * g;
    f*=g*=h;
}
```

f en main  
lhs en operator\*

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 0  
m\_denominator: 1

result en operator\*

m\_numerator: 3  
m\_denominator: 8

```
Fraction operator* (const Fraction & lhs, const Fraction & rhs)
{
    Fraction result(lhs);
    return  (result*=rhs);
}
```



```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    ➡ f * g;
    f*=g*=h;
}
```

f en main  
lhs en operator\*

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 0  
m\_denominator: 1

result en operator\*

m\_numerator: 3  
m\_denominator: 8

```
Fraction operator* (const Fraction & lhs, const Fraction & rhs)
{
    Fraction result(lhs);
    ➡ return (result*=rhs);
}
```


```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```

```
    Fraction f(1,2), g(3,4), h;
```

```
     f * g;
```

```
    f*=g*=h;
```

```
}
```

f en main

m\_numerator: 1  
m\_denominator: 2

g en main

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 0  
m\_denominator: 1

result from operator\*

m\_numerator: 3  
m\_denominator: 8

```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```

```
    Fraction f(1,2), g(3,4), h;
```

```
    → h = f * g;
```

```
    f*=g*=h;
```

```
}
```

f en main

m\_numerator: 1  
m\_denominator: 2

g en main

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 3  
m\_denominator: 8

result from operator\*

m\_numerator: 3  
m\_denominator: 8

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
    g*=h;
}
```

f en main


m\_numerator: 1  
m\_denominator: 2

g en main

m\_numerator: 3  
m\_denominator: 4

h en main

m\_numerator: 3  
m\_denominator: 8

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
     g*=h;
}
```

f en main

m\_numerator: 1  
m\_denominator: 2

g en main


\*this en operator\*=

m\_numerator: 3  
m\_denominator: 4


h en main

rhs en operator\*=

m\_numerator: 3  
m\_denominator: 8

 Fraction& Fraction::operator\*= (const Fraction & rhs)

```
{
    m_numerator*=rhs.m_numerator;
    m_denominator*=rhs.m_denominator;
    return (*this);
}
```

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
     g*=h;
}
```

f en main

m\_numerator: 1  
m\_denominator: 2

g en main


\*this en operator\*=


m\_numerator: 3  
m\_denominator: 4

h en main

rhs en operator\*=

m\_numerator: 3  
m\_denominator: 8

```
Fraction& Fraction::operator*= (const Fraction & rhs)
{
     m_numerator*=rhs.m_numerator;
    m_denominator*=rhs.m_denominator;
    return (*this);
}
```

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
     g*=h;
}
```

f en main

m\_numerator: 1  
m\_denominator: 2

g en main


\*this en operator\*=


m\_numerator: 9  
m\_denominator: 4

h en main

rhs en operator\*=

m\_numerator: 3  
m\_denominator: 8

```
Fraction& Fraction::operator*= (const Fraction & rhs)
{
     m_numerator*=rhs.m_numerator;
    m_denominator*=rhs.m_denominator;
    return (*this);
}
```

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
     g*=h;
}
```

f en main

m\_numerator: 1  
m\_denominator: 2

g en main


\*this en operator\*=

m\_numerator: 9  
m\_denominator: 4


h en main

rhs en operator\*=

m\_numerator: 3  
m\_denominator: 8

```
Fraction& Fraction::operator*= (const Fraction & rhs)
{
    m_numerator*=rhs.m_numerator;
     m_denominator*=rhs.m_denominator;
    return (*this);
}
```



```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
     g*=h;
}
```

f en main

m\_numerator: 1  
m\_denominator: 2

g en main


\*this en operator\*=


m\_numerator: 9  
m\_denominator: 32

h en main

rhs en operator\*=

m\_numerator: 3  
m\_denominator: 8

```
Fraction& Fraction::operator*= (const Fraction & rhs)
{
    m_numerator*=rhs.m_numerator;
     m_denominator*=rhs.m_denominator;
    return (*this);
}
```

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
     g*=h;
}
```

f en main

m\_numerator: 1  
m\_denominator: 2

g en main


\*this en operator\*=

m\_numerator: 9  
m\_denominator: 32

h en main

rhs en operator\*=

m\_numerator: 3  
m\_denominator: 8

```
Fraction& Fraction::operator*= (const Fraction & rhs)
{
    m_numerator*=rhs.m_numerator;
    m_denominator*=rhs.m_denominator;
     return (*this);
}
```

```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```

```
    Fraction f(1,2), g(3,4), h;
```

```
    h = f * g;
```

```
     g*=h;
```

```
}
```

f en main

m\_numerator: 1  
m\_denominator: 2

g en main

m\_numerator: 9  
m\_denominator: 32

h en main

m\_numerator: 3  
m\_denominator: 8

```
//main.cpp
```

```
...
```

```
int main()
```

```
{
```

```
    Fraction f(1,2), g(3,4), h;
```

```
    h = f * g;
```

```
    → f*=g*=h;
```

```
}
```

f en main

m\_numerator: 1  
m\_denominator: 2

g en main

m\_numerator: 9  
m\_denominator: 32

h en main

m\_numerator: 3  
m\_denominator: 8

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
    ➡ f*=g*=h;
}
```

f en main  
\*this en operator\*=

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*=

m\_numerator: 9  
m\_denominator: 32

h en main

m\_numerator: 3  
m\_denominator: 8

```
➡ Fraction& Fraction::operator*= (const Fraction & rhs)
{
    m_numerator*=rhs.m_numerator;
    m_denominator*=rhs.m_denominator;
    return (*this);
}
```

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
    ➔ f*=g*=h;
}
```

f en main  
\*this en operator\*=

m\_numerator: 1  
m\_denominator: 2

g en main  
rhs en operator\*=

m\_numerator: 9  
m\_denominator: 32

h en main

m\_numerator: 3  
m\_denominator: 8

```
Fraction& Fraction::operator*= (const Fraction & rhs)
{
    ➔ m_numerator*=rhs.m_numerator;
    m_denominator*=rhs.m_denominator;
    return (*this);
}
```

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
    ➡ f*=g*=h;
}
```

f en main  
\*this en operator\*=

m\_numerator: 9  
m\_denominator: 2

g en main  
rhs en operator\*=

m\_numerator: 9  
m\_denominator: 32

h en main

m\_numerator: 3  
m\_denominator: 8

```
Fraction& Fraction::operator*= (const Fraction & rhs)
{
    ➡ m_numerator*=rhs.m_numerator;
    m_denominator*=rhs.m_denominator;
    return (*this);
}
```

```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
    ➡ f*=g*=h;
}
```

f en main  
\*this en operator\*=

m\_numerator: 9  
m\_denominator: 64

g en main  
rhs en operator\*=

m\_numerator: 9  
m\_denominator: 32

h en main

m\_numerator: 3  
m\_denominator: 8

```
Fraction& Fraction::operator*= (const Fraction & rhs)
{
    m_numerator*=rhs.m_numerator;
    ➡ m_denominator*=rhs.m_denominator;
    return (*this);
}
```



```
//main.cpp
...
int main()
{
    Fraction f(1,2), g(3,4), h;
    h = f * g;
    ➔ f*=g*=h;
}
```

f en main  
\*this en operator\*=

m\_numerator: 9  
m\_denominator: 64

g en main  
rhs en operator\*=

m\_numerator: 9  
m\_denominator: 32

h en main

m\_numerator: 3  
m\_denominator: 8

```
Fraction& Fraction::operator*= (const Fraction & rhs)
{
    m_numerator*=rhs.m_numerator;
    m_denominator*=rhs.m_denominator;
    ➔ return (*this);
}
```

```
//main.cpp
```


```
...
```

```
int main()
```

```
{
```

```
    Fraction f(1,2), g(3,4), h;
```

```
    h = f * g;
```

```
     f*=g*=h;
```

```
}
```

f en main

m\_numerator: 9  
m\_denominator: 64

g en main

m\_numerator: 9  
m\_denominator: 32

h en main

m\_numerator: 3  
m\_denominator: 8