

## BigInt

### Name

BigInt(const bool\* const)

BigInt(const string&)

BigInt(long long)

Operator +

Operator -

Operator \*

Operator /

Operator !

Operator ~

Operator &

Operator |

Operator ^

Operator <<

Operator >>

Operator ==

Operator !=

Operator <

Operator >

Operator <=

Operator >=

### Return type

BigNum

BigNum

BigNum

BigNum

BigNum

BigNum

BigNum

BigNum

BigNum

BigNum

BigNum

true/false

true/false

true/false

true/false

true/false

true/false

## BigInt

### Function

Construction from an array of 128 boolean values  
Construction from decimal string-represented number  
Construction from a long long number  
adding two BigInts  
subtracting two BigInts  
multiplying two BigInts  
dividing two BigInts

### Note

Return 0 if nonzero, else 1

### Assignment

Chiến  
Chiến  
Chiến  
Trưởng  
Trưởng  
Chiến  
Chiến

flipping bits  
bitwise and  
bitwise or  
bitwise exclusive-or (xor)  
left shifting  
right shifting  
equal comparison  
Not-equal comparison  
Less-than comparison  
Greater-than comparison  
Less-than-or-equal comparison  
Greater-than-or-equal comparison

### arithmetic shifting

may reuse opt ==

may reuse opt >

may reuse opt <

## BigNum

### Name

BigNum

BigNum(const bool\* const)

set\_bit(int index, bool value)

get\_bit(int index)

operator=(const BigNum&)

### Return type

void

bool

BigNum&

## BigNum

### Function

Default constructor  
Construction from an array of 128 boolean values  
Set index-th bit to value  
return index-th bit value  
assign operator

### Note

should set data to {0, 0}

### Assignment

Trường  
Trường  
Trường  
Trường  
Trường