Notes:

- **C++ Standard: 4.7 Integral conversions:**

  ...

  If the destination type is `bool`, see 4.12. If the source type is `bool`, the value `false` is converted to zero and the value `true` is converted to one.

  ...

- **C++ Standard: 4.12 Boolean conversions:**

  A prvalue of arithmetic, unscoped enumeration, pointer, or pointer to member type can be converted to a prvalue of type `bool`. A zero value, null pointer value, or null member pointer value is converted to `false`; any other value is converted to `true`. For direct-initialization (8.5), a prvalue of type `std::nullptr_t` can be converted to a prvalue of type `bool`; the resulting value is `false`.

`true`	`false`	`bool(-2)`	`bool(-1)`	`bool(0)`	`bool(1)`	`bool(2)`	`bool(3)`
1	0						

`bool('\0')`	`bool('y')`	`bool('n')`	`bool("yes")`	`bool("no")`	`bool("hello")`

`bool(-5.7)`	`bool(0.0)`	`bool(5.7)`	`bool(42.8)`

a	b	a == b	a != b	a && b	a || b
0	0				
0	1				
1	0				
1	1				

a	b	a == b && 'y'	a == b || 'y'	a != b && 'y'	a != b || 'y'
0	0				
0	1				
1	0				
1	1				

a	b	c	a==b && a==c	a==b || a==c	a!=b && a!=c	a!=b || a!=c
0	0	0				
0	0	1				
0	1	0				
0	1	1				
1	0	0				
1	0	1				
1	1	0				
1	1	1				