

Day 2: Basic Scala

A] Comments

Single line : // --- single line comment

practical : Refer to word document

Multiple lines : /* Multiple

line
comment

*/

B] Keywords { Reserved Words }

Internally used by Scala

Var $\underline{a} = 5$ ✓
a:Int = 5

Var if = 5 X def if () X

class if X

Practical : Refer word document

```
c] println ("Hello world!")
println ("Hello\f world\f India")
Hello}           "Indentation Payne"
        world}       "Obsolete"
            India ..
```

Refer word document for practical

Q] Variables in Scala

Var a = 5
Var a:Int = 5
a = 6

11

Type Inference

11

Var a = "xyz"
a: String = "xyz"

Val a = 5

~~a = 6~~

(Can not reassign to a Value)

Refer word document for Practical

* Default data type for

no → Int (123)

Possible (12.3)

* Byte } You need to Specify

float }

Var a : Byte = 12

Var a = 12. to Byte

Var a : Float = 12.3

Var a = 12.3f

Byte

: 8
: bits

-128 to 127
-128 to $(2^7 - 1)$

-128 to $(128 - 1)$

-128 to +127
-127 = 127

129

129

Var a: Byte = 5
Var b: Byte = 7

Var c = ~~a + b~~
= 5 + 7

c: ~~Byte~~ = 12

~~Byte~~
~~C Int~~

Operator X
Function ✓

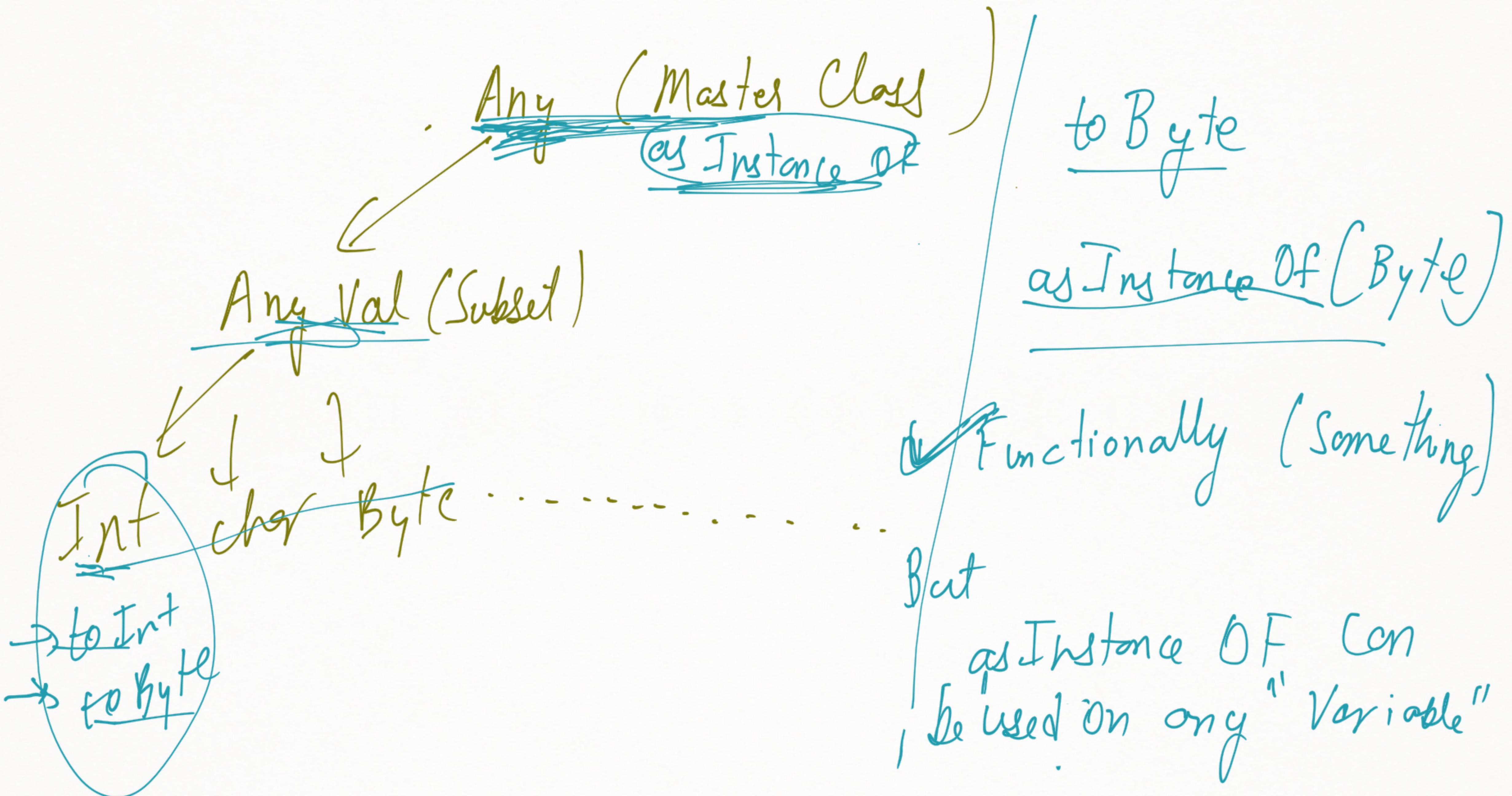
Var a: Float = 5f
Var b: Float = 7f

Var c = ~~a + b~~
= 5.0 + 7.0

c: ~~Float~~ = 12.0

~~Float~~
~~Double~~

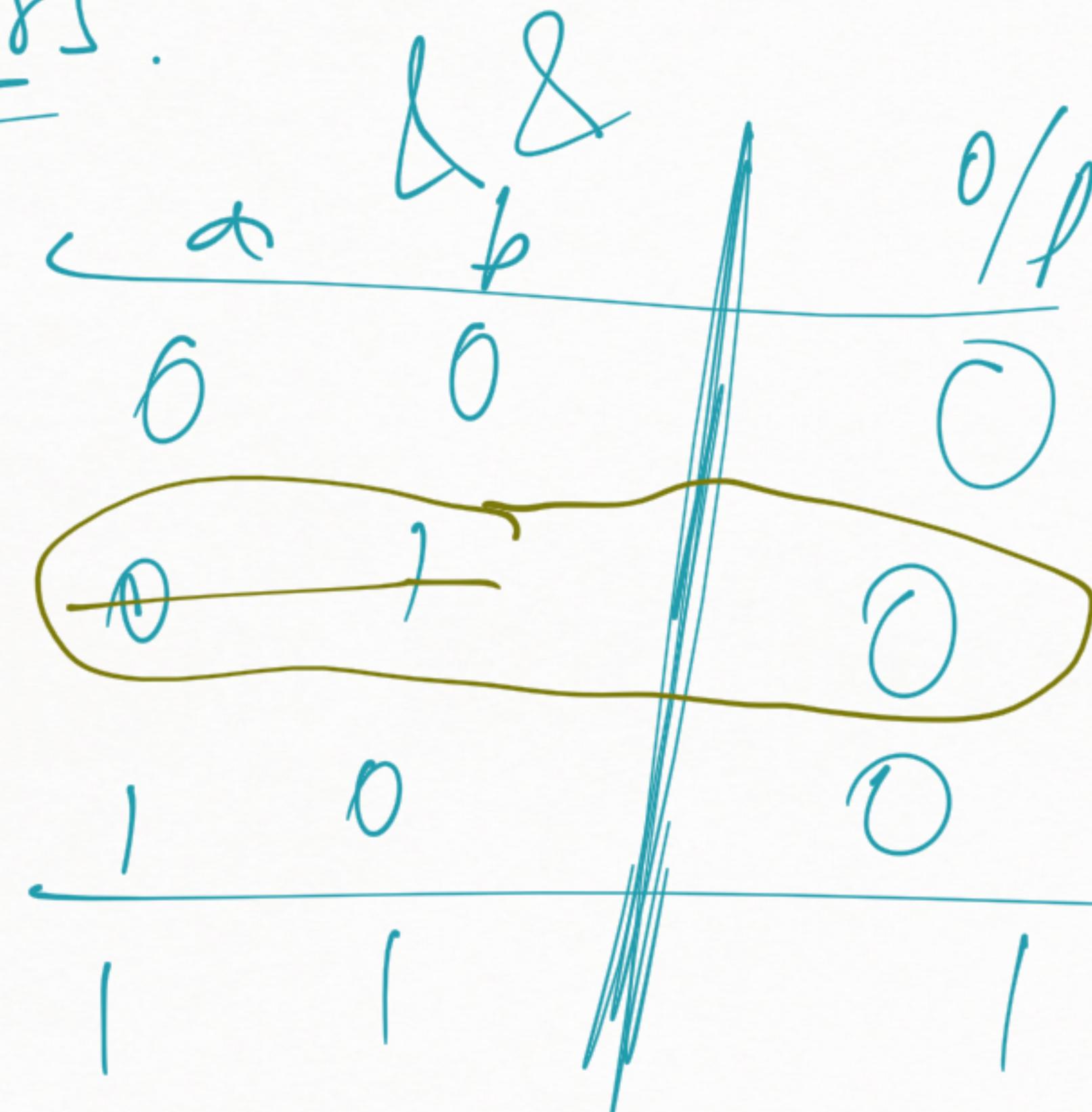
operator X
function ✓



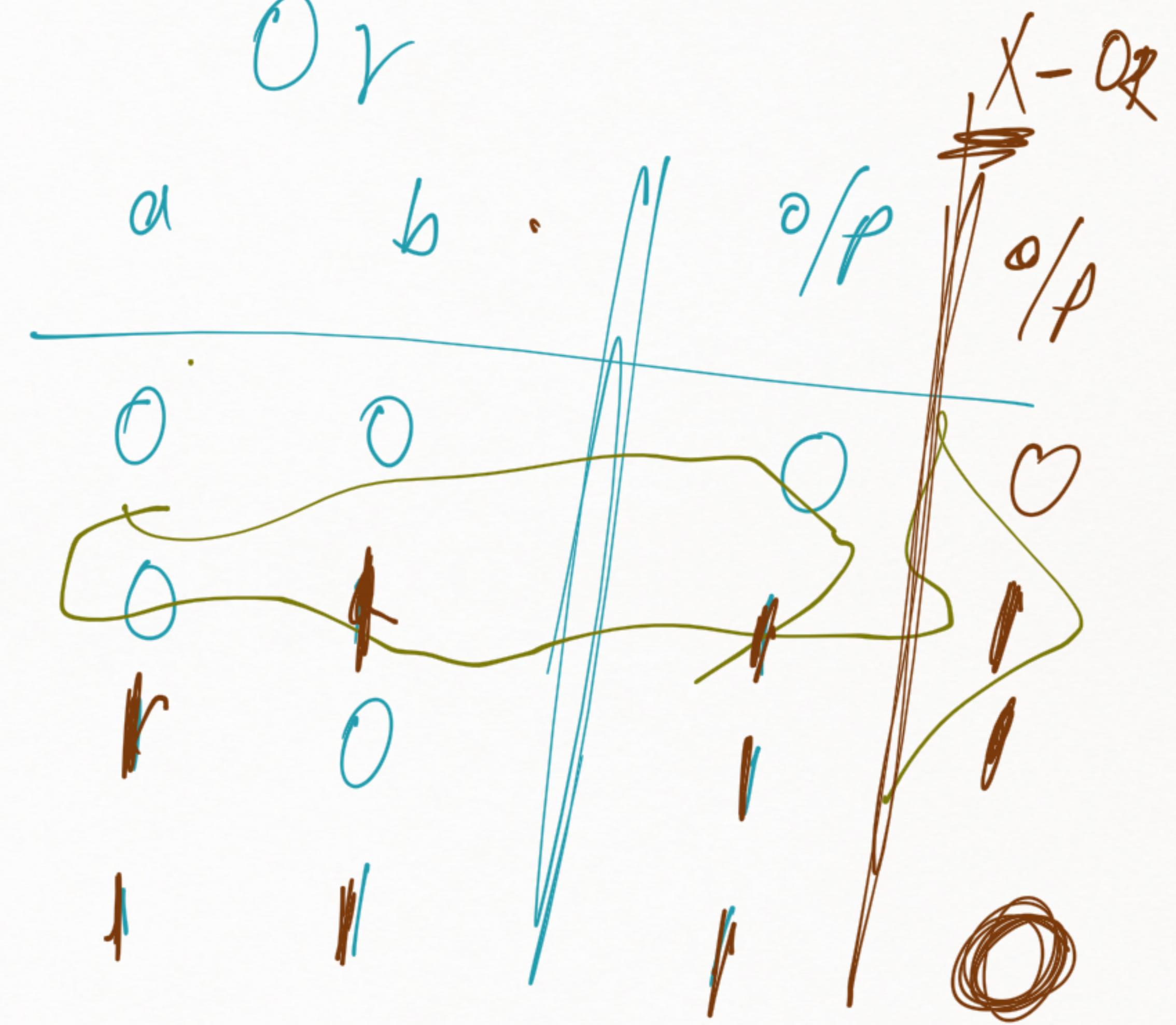
E] Operators.

0 false

1 true



Or



~~Prefix~~
3 fort

Vor $a = -10$
 $a: \text{Int} = -10$

→ Functions

Vor $a = 10$, unary -

~~Infix~~
Middle

Vor $a = 2 + 5$
 $a: \text{Int} = 7$

→ Function

Vor $a = 2 + (5)$

~~Postfix~~
End

~~a + 5~~, $a = 3$

Vor $a = 2$
 $a: \text{Int} = 2$

Vor $b = a.\text{toByte}$
Vor $b = a(\text{toByte})$