Conditionals

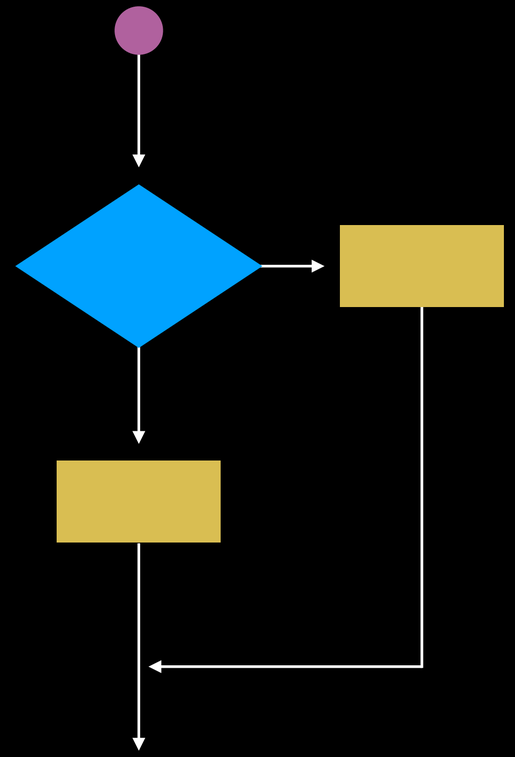
Conditionals

Execute different code depending on a "question"

Evaluate a boolean expression

Equal, different, contains, greater than…

if, **switch** and **ternary**



Boolean operators

==	Equal to	User password, points in a game
!=	Not equal to	Variable **is not** empty
<	Less than	Condition related to time
<=	Less than or equal to	Balance on saving account
>	Greater than	Condition related to temperature
>=	Greater than or equal to	Enabling user access due age restrictions
Boolean	Elements that return boolean values	contains(), isAnimating(), insert()

if

```swift
// Declaring elements
var userAge: Int = 16
let ageToDrive: Int = 18

// Checking a boolean expression
if userAge < ageToDrive {
    // Block executed if the expression is true
    print("Only bicycle ...")
} else {
    // Block executed if the expression is false
    print("I can LEGALLY drive!")
}
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}
```

value >= 0 ?

true color green

false color red

Hands on

switch

```swift
// Declaring constant
let initials: String = "DA"

// Checking possible values for the expression
switch initials {
    case "DS":
        print("Danilo Santana")
    case "GD":
        print("Gilles Deltel")
    case "MN":
        print("Mark Nichols")
    default:
        print("None of the above")
}
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Hands on

ternary

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print( userAge < ageToDrive ? "Only bicycle ..." : "I can LEGALLY drive!" )
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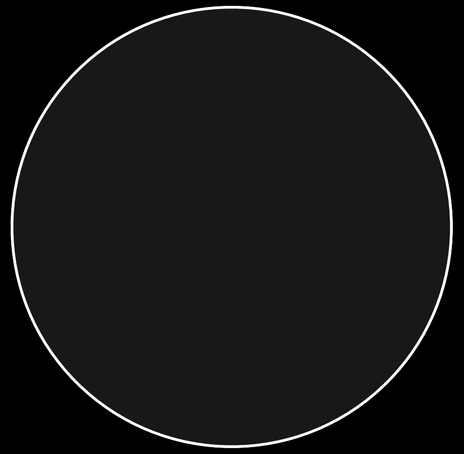
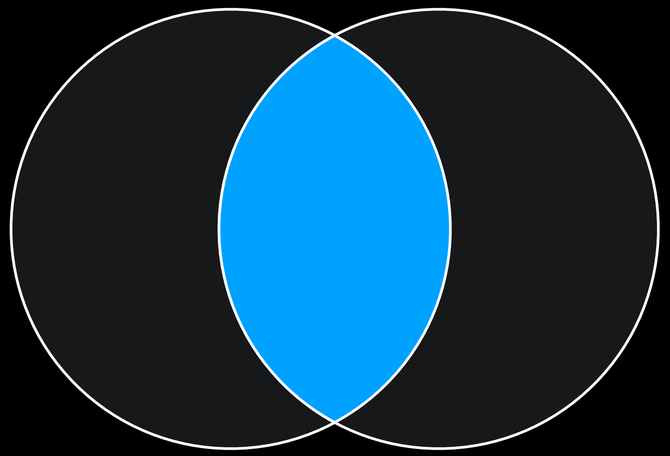
Logical operators



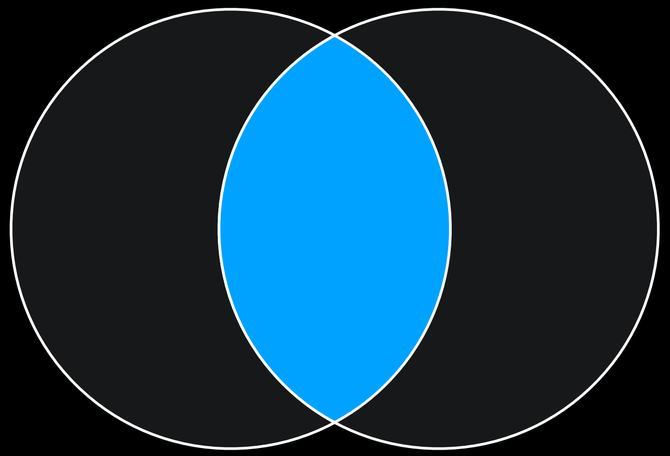
AND

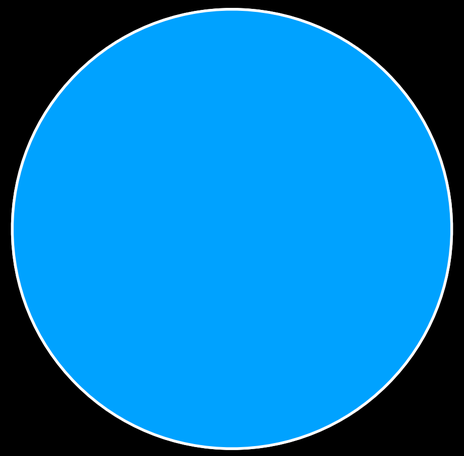


Both terms

username is true
AND
password is true

AND





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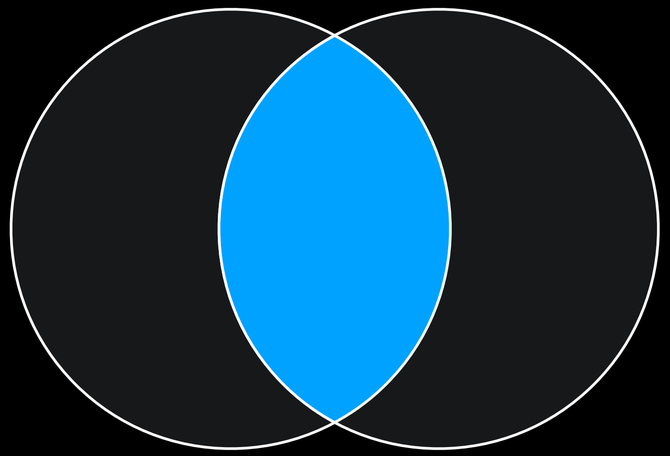

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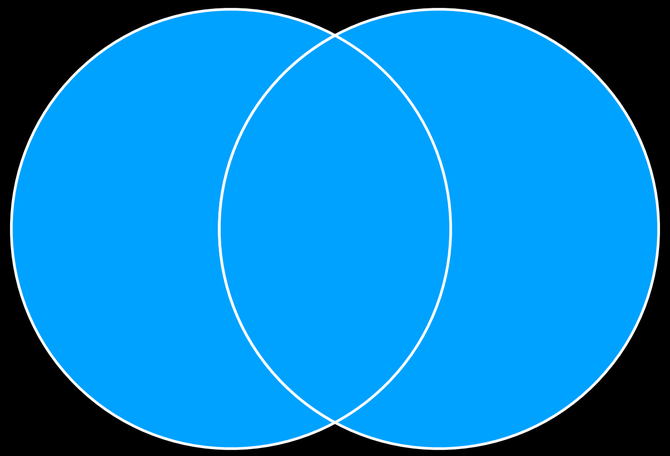
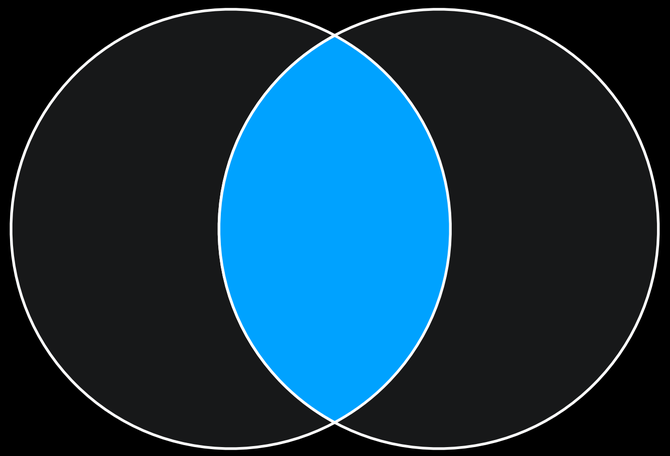


Either terms

moves is 0
OR
time is 0

AND



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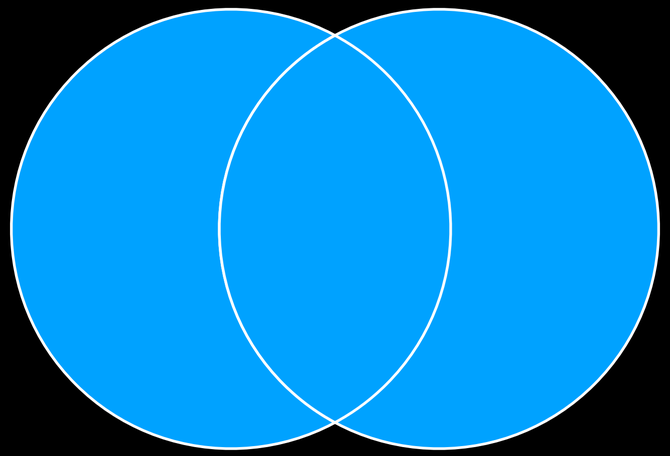

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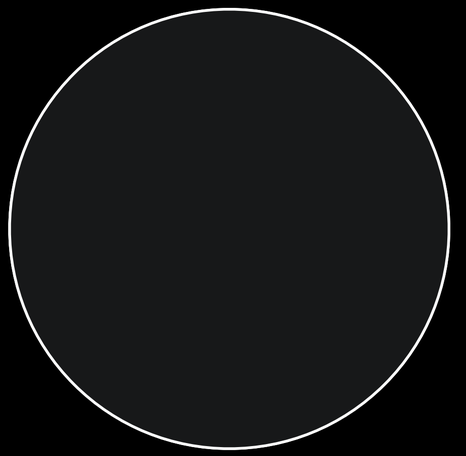

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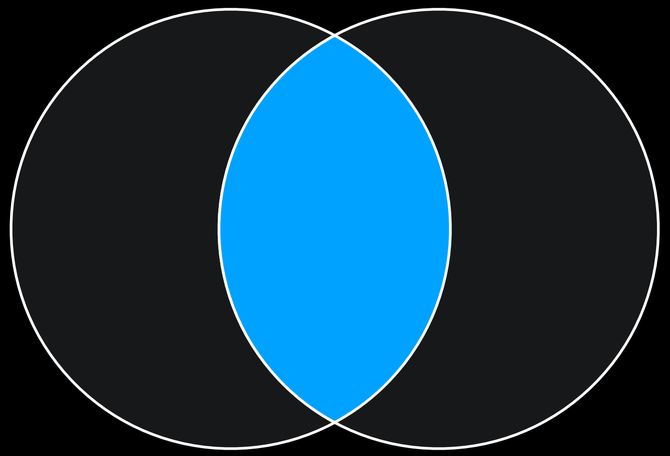

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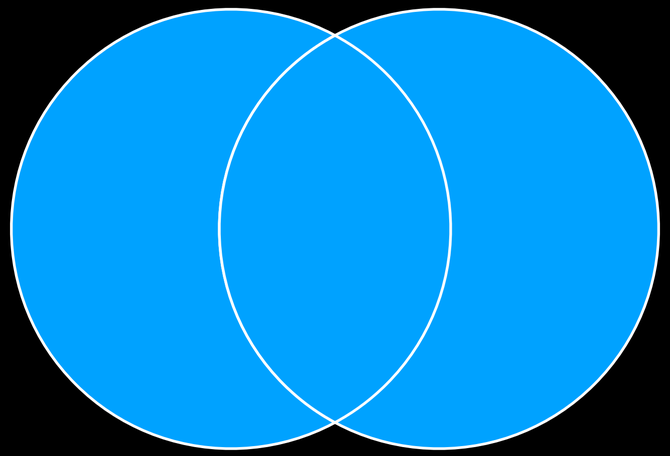

Either terms

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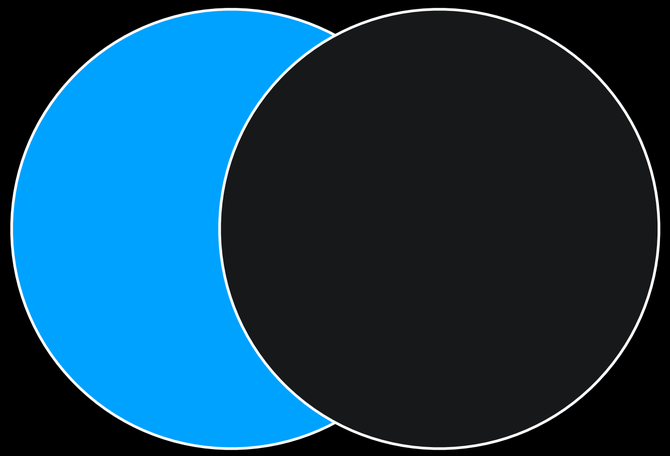
time is 0

NOT



One term

message is
NOT
Danilo

Hands on