## **Short Circuit Evaluation**

Python performs short-circuit evaluation of logical expressions. When evaluating logical expressions consisting of multiple comparisons, if Python detects that the comparisons done so far are sufficient to determine the value of the logical expression, it stops evaluating the rest of the logical expression.

## In [1]:

```
In the following example, if the first part of the conditional is false, then we know the whole condition is false regardless of the value of the second part.

That is, if y > 2 is false, then the whole condition is false. In this case, the second part is not evaluated at all.

This not only saves processing time, but also serves as a safety measure in some cases.

If y = 0

if y > 2 and x/y > 3:

print('Good show')

else:

print("Incorrect")
```

Incorrect

## In [2]:

Good show