Definition with Patterns

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Functions can be defined with patterns:

```
factorial :: Integer -> Integer
    -- calculates the factorial of a natural

factorial 0 = 1
factorial n = n * factorial (n - 1)
```

The evaluation of the patterns is from top to bottom and returns the result of the first matching branch.

Patterns are considered more elegant than the if-then-else and they have many more applications.

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represents an **anonymous variable**: (there is no relation between different)