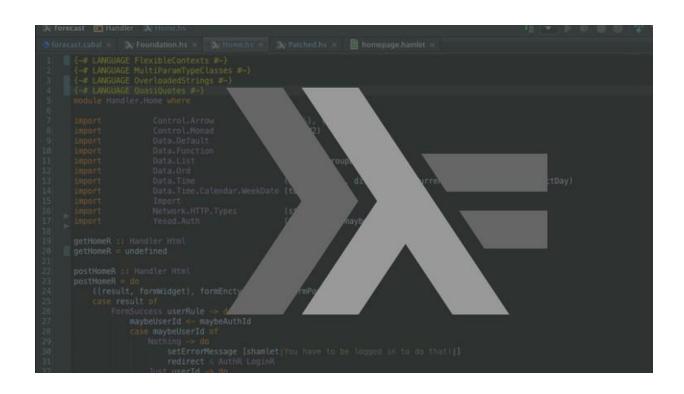
## **Fibonacci**



## **Fibonacci**

Write a function *fib* :: *Int* -> *Int* that returns the n-th element of the Fibonacci sequence using the recursive algorithm that defines it (f(0)=0, f(1)=1, f(n)=f(n-1)+f(n-2) for  $n \ge 2$ ).

## The Fibonacci Sequence

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377...

In mathematics, the Fibonacci numbers form a sequence, in which each number is **the sum of the two preceding ones**