Haskell — Fibonacci again P94014_en

Write a function *fib* :: **Int** → **Integer** that, given a natural n, returns the n-th element of the Fibonacci sequence.

Scoring

- **test-1:** Inputs with $n \leq 25$. **10 Points**
- **test-2:** Inputs with $n \leq 10000$. **30 Points**
- **test-3:** Inputs with $n \leq 50000000$. **60 Points**

Sample input 1

```
map fib [0..8]
```

Sample output 1

```
[0,1,1,2,3,5,8,13,21]
```

Problem information

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