Haskell — FizzBuzz   P97301_ca

En el cèlebre article *Using FizzBuzz to Find Developers who Grok Coding* (el podeu trobar a l'enllaç http://imranontech.com/2007/01/24/using-fizzbuzz-to-find-developers-who-grok-coding/), Imran Ghory explica que la majoria dels programadors que entrevista com a candidats a una feina no poden escriure ni un programa senzill:

> On occasion you meet a developer who seems like a solid programmer. They know their theory, they know their language. They can have a reasonable conversation about programming. But once it comes down to actually producing code they just don't seem to be able to do it well.

> After a fair bit of trial and error I've discovered that people who struggle to code don't just struggle on big problems, or even smallish problems (i.e. write a implementation of a linked list). They struggle with tiny problems. So I set out to develop questions that can identify this kind of developer and came up with a class of questions I call "FizzBuzz Questions" named after a game children often play (or are made to play) in schools in the UK. An example of a Fizz-Buzz question is the following:

> > *Write a program that prints the numbers from 0 to 100, but: For multiples of three print 'Fizz' instead of the number, and for the multiples of five print 'Buzz'. For numbers which are multiples of both three and five print 'FizzBuzz'.*

> Most good programmers should be able to write out on paper a program which does this in a under a couple of minutes. Want to know something scary? The majority of comp sci graduates can't. I've also seen self- proclaimed senior programmers take more than 10-15 minutes to write a solution.

Demostreu que vosaltres sí que podeu escriure un programa així en Haskell, i amb estíl! (Però no trigueu gaire...)

Especificació

Definiu la funció

> *fizzBuzz* :: [**Either Int String**]

que retorni la llista infinita de "FizzBuzz" per a cada enter de 0 en endavant.

Exemple d'entrada

```
take 8 fizzBuzz
```

Exemple de sortida

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[Right "FizzBuzz",Left 1,Left 2,Right "Fizz",Left 4,Right "Buzz",Right "Fizz",Left 7]
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Informació del problema

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