1 Problem

In England the currency is made up of pound, (£), and pence, (p), and there are eight coins in general circulation:

$$1p,\ 2p,\ 5p,\ 10p,\ 20p,\ 50p,\ £1\ (100p) \text{ and } £2\ (200p).$$

It is possible to make £2 in the following way:
$1 \times 1\ £ + 1 \times 50\ p + 2 \times 20\ p + 1 \times 5\ p + 1 \times 2\ p + 3 \times 1\ p$
How many different ways can £2 be made using any number of coins?

2 Solution

```
import Data.List
import qualified Data.Map as Map
import Data.Maybe
import System.Environment

main = do
  args <- getArgs
  putStrLn $ "INCOMPLETE"
```

3 Result

```
runhaskell problem31.lhs
```