TD4: PF

Exercice 1:

1. `zipWith :: ([a]->[b]->[c]) -> [a] -> [b] -> [c]`.
2. `zipWith f a b = map (\(e1 e2) -> f e1 e2) $ zip a b`

Exercice 2:

Q2.1 opérateur /

Q2.2
```
moyenneCoeff :: Fractional a => [a] -> [a] -> a -> a

moyenneCoeff _ _ 0 = 0
moyenneCoeff ni ci t = res / t
  where
    res = sum $ zipWith (*) ni ci
```

Q2.3.
```
moyenneEtudiants :: Fractional a => [a] -> (b, [a]) -> (b, [a])
moyenneEtudiants cs etu = map (\(nom, ns) -> (nom, (moyenneCoeff cs ns t))
    where
        t = sum cs
```

Q2.4
```
classementMoyenne :: Ord a => [(String, a)] -> [(String, a)]
classementMoyenne l = sortOn snd l
```
↓ fonction du prélude
(:doc snd ghci ou Hoogle)

Q2.5
```
classementNotes :: (Fractional a, Ord a) => [a] -> [(String, [a])] -> [(String, [a])]

classementNotes cs
```