## **Access to Tuples**

## **Access to Tuples**

For tuples of two elements, it can be accessed with fst and snd:

For general tuples, no accessor functions are defined

⇒ They can be easily created using patterns:

```
first (x, y, z) = x
second (x, y, z) = y
third (x, y, z) = z
```

```
first (x, _, _) = x
second (_, y, _) = y
third (_, _, z) = z
```

## **Access to Tuples**

```
(3, 'z', False) :: (Int, Char, Bool)
(6, 9) :: (Int, Int)
(True, (6, 9)) :: (Bool, (Int, Int))
mostFrequentCharacter :: String -> (Char, Int)
mostFrequentCharacter "AVATAR" ( ('A', 3)
timeDecomposition :: Int -> (Int, Int, Int) -- hours, minutes, seconds
timeDecomposition seconds = (h, m, s)
    where
        h = div seconds 3600
        m = div \pmod{seconds} 3600) 60
        s = mod seconds 60
```

## **Lucas Bazilio Youtube Channel**



