Activity 2C

Consider the incomplete tail recursive code which sums the digits of an integer n:

```
lastDigit:: Int -> Int
lastDigit n = n `rem` 10

butLastDigit:: Int -> Int
butLastDigit n = n `div` 10

digitSum:: Int -> Int
digitSum n =  digitTail n 0 where
   digitTail n sum =
       if n==0 then sum
               else digitTail  (_____) (_____)
```

To assist you in seeing how the two parameters need to change in the recursive call of digitTail, I am providing you with the substitution model for digitSum 173:

```
 digitSum 173 =>
 digitTail 173 0 =>
 digitTail 17 3 =>
digitTail 1 10 =>
digitTail 0 11 =>
11
```