```
sum [] = 0
sum (x:xs) = x + sum xs
isEven x = x \cdot div \cdot 2 = 0
sumEvens l =
  let evens = filter isEven
  in sum evens
```





Conflicting types

Possible type 1

sum ::
$$[Int] \rightarrow Int$$

Inferred from the orange highlights on the left side

Possible type 2

sum ::
$$([Int] \rightarrow [Int]) \rightarrow Int$$

Inferred from the blue highlights on the left side

Relevant type information

evens ::
$$[Int] \rightarrow [Int]$$

Inferred from the blue highlights on the left side