

`sum [] = 0`

`sum (x:xs) = x + xs`

2



The expression `xs` can have two conflicting types

## Conflicting types

### Possible type 1

`x :: [a]`

1

*Inferred from the orange highlights on the left side*

### Possible type 2

`x :: Int`

*Inferred from the blue highlights on the left side*

## Relevant type information

`+ :: Int → Int → Int`

*Imported from Prelude*