

```
sum [] = 0
```

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

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The expression **xs** can have two conflicting types

Conflicting types

Possible type 1

xs :: **[a]**

Inferred from the orange highlights on the left side

Possible type 2

xs :: **Int**

Inferred from the blue highlights on the left side

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Relevant type information

+ :: **Int** → **Int** → **Int**

Imported from prelude