

```
sum [] = 0
```

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

2



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

## Conflicting types

Possible type 1

**xs** :: **[a]**

Inferred from the orange highlights on the left side

1

Possible type 2

**xs** :: **Int**

Inferred from the blue highlights on the left side

## Relevant type information

**+** :: **Int** → **Int** → **Int**

Imported from prelude