

```
[num for num in fibs if is_even(num)]
```

```
[1, 1, 2, 3, 5, 8, 13, 21, 34]
```

The diagram illustrates the execution of the list comprehension `[num for num in fibs if is_even(num)]`. At the top, the list `[1, 1, 2, 3, 5, 8, 13, 21, 34]` is shown. Red lines connect the odd numbers (1, 1, 3, 5, 13, 21) to a yellow oval, indicating they are filtered out. Green lines connect the even numbers (2, 8, 34) to a green dot below an orange box containing the code `filter(is_even, fibs)`. From this dot, three green arrows point to the output `< 2, 8, 34 >`.

```
filter(is_even, fibs)
```

```
< 2, 8, 34 >
```

More Examples