

source code:
while current != w:

current
Read

w
Read

!=

```
graph TD; A([current Read]) --> C([!=]); B([w Read]) --> C;
```

The diagram illustrates the components of a source code snippet. On the left, a large oval contains the text "source code:" followed by "while current != w:". To the right, there are three smaller ovals. The top-left oval contains "current" and "Read" stacked vertically. The top-right oval contains "w" and "Read" stacked vertically. Arrows from both of these top ovals point down to a third oval at the bottom, which contains "!=". This structure suggests that the "current" and "w" variables are being read from memory, and their values are being compared using the "!=" operator.