

Execute Loop and If Statement Tests

```
while ('\0' != *s1) {
    if (*s1 != *s2) { return 0; }
    s1++; s2++;
}
return ('\0' == *s2);
```

What is *s1? 'o' (not NUL)

What is *s2?

also 'o' (don't return 0)

```

      s1
      ↓
char* w = "word1";
char* x = "word2";
      ↑
      s2
```

Advance s1 and s2 to Point to Next Characters

```
while ('\0' != *s1) {
    if (*s1 != *s2) { return 0; }
    s1++; s2++;
}
return ('\0' == *s2);
```

Advance s1.

And advance s2.

```

      s1
      ↓
char* w = "word1";
char* x = "word2";
      ↑
      s2
```

Execute Loop and If Statement Tests

```
while ('\0' != *s1) {
    if (*s1 != *s2) { return 0; }
    s1++; s2++;
}
return ('\0' == *s2);
```

What is *s1? 'r' (not NUL)

What is *s2?

also 'r' (don't return 0)

```

      s1
      ↓
char* w = "word1";
char* x = "word2";
      ↑
      s2
```

Advance s1 and s2 to Point to Next Characters

```
while ('\0' != *s1) {
    if (*s1 != *s2) { return 0; }
    s1++; s2++;
}
return ('\0' == *s2);
```

Advance s1.

And advance s2.

```

      s1
      ↓
char* w = "word1";
char* x = "word2";
      ↑
      s2
```