

Short Circuit Evaluation

zyBook Chap 4.18

Short Circuit Evaluation

Java stops evaluating a test if it knows the answer.

- `&&` stops early if any part of the test is `false`
- `||` stops early if any part of the test is `true`

```
2 > 3 && 4 < 5
false && <skipped>
false
```

```
2 < 3 || 4 > 5
true || <skipped>
true
```

Q: If `year` is 2023 and `month` is 2, which of the following expressions will short circuit?

- `year > 2000 && month > 6` ✗
- `year > 2000 || month < 12` ✓
- `year < 2000 || month < 12` ✗
- `year < 2000 && month > 6` ✓