Feedback?

Feedback?

↑3.18 Floating-point comparison





3.19 Short circuit evaluation

A logical operator evaluates operands from left to right. Short circuit evaluation skips evaluating later operands if the result of the logical operator can already be determined. The logical AND operator short circuits to false if the first operand evaluates to false, and skips evaluating the second operand. The logical OR operator short circuits to true if the first operand is true, and skips evaluating the second operand.

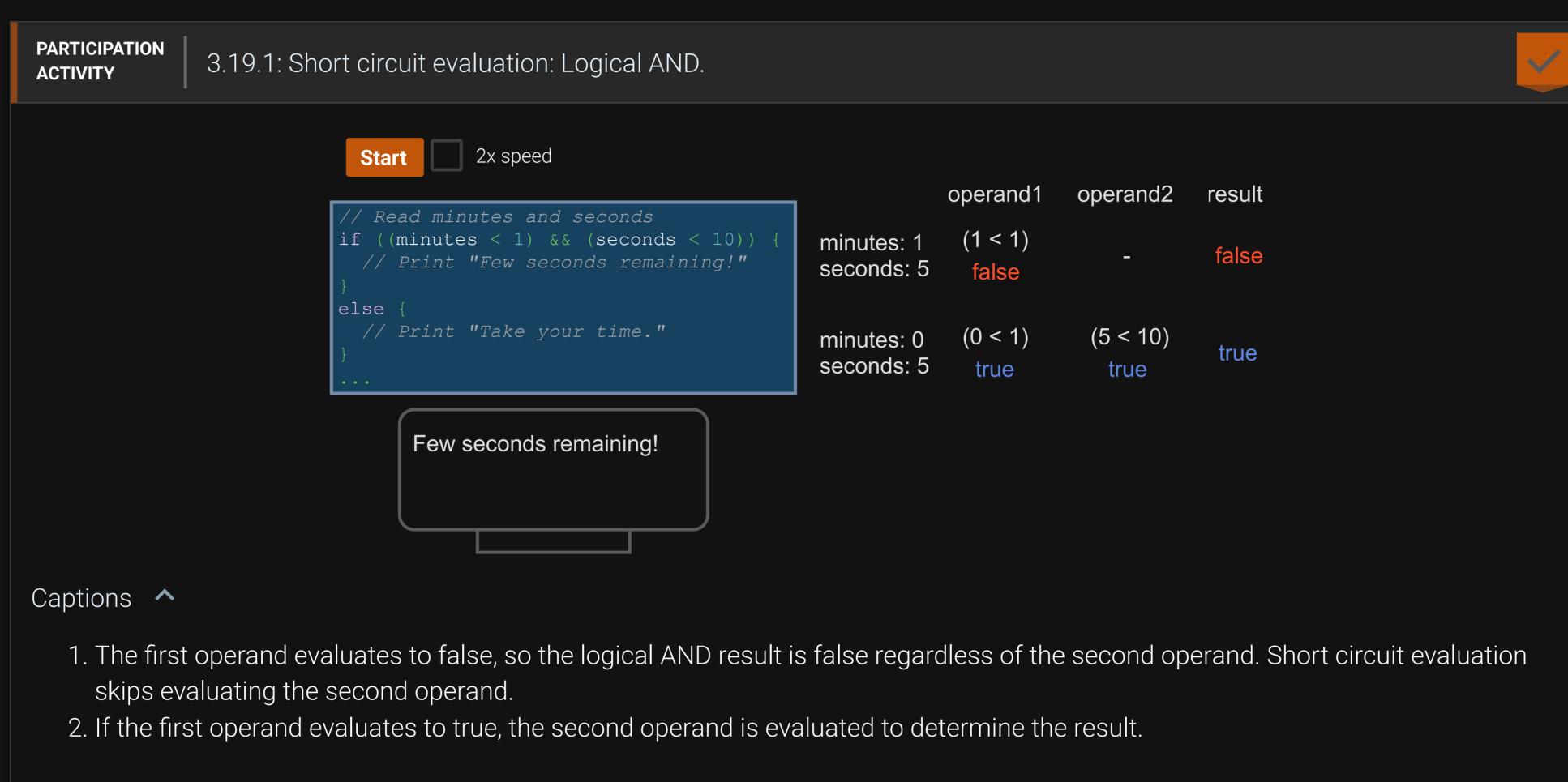


Table 3.19.1: Short circuit evaluation.

Table 5.13.1. Offert offeat evaluation.	
Example	Short circuit evaluation
true && operand2	If the first operand evaluates to true, operand2 is evaluated.
operand1 && operand2 false && operand2	If the first operand evaluates to false, the result of the AND operation is always false, so operand2 is not evaluated.
operand1 operand2 true operand2 false operand2	If the first operand evaluates to true, the result of the OR operation is always true, so operand2 is not evaluated.
	If the first operand evaluates to false, operand2 is evaluated.
	true && operand2 false && operand2 true operand2

PARTICIPATION 3.19.2: Determine which operands the program evaluates. **ACTIVITY** 1) (x < 4) && (y > 3)What value of x results in short circuit evaluation, which skips evaluating the second operand? 6 2 3 2) $(y == 3) \mid | (x > 2)$ What value of y results in short circuit evaluation, which skips evaluating the second operand? **2** 4 3 (3) (y < 3) | (x == 1)What value of y does not result in short circuit evaluation, such that both operands are evaluated? 3 1 **2** 4) (x < 3) && (y < 2) && (z = 5)What values of x and y do not result in short circuit evaluation, such that all operands are evaluated? x = 2, y = 2x = 1, y = 0x = 4, y = 1x = 3, y = 25) $((x > 2) \mid | (y < 4)) \&\& (z == 10)$ Given x = 4, y = 1, and z = 10, which comparisons are evaluated? (x > 2), (y < 4), and (z == 10)• (x > 2) and (z == 10) (x > 2) and (y < 4) Feedback?

Activity summary for assignment: CSC108 CH03.11-3.20 P3B

How was this section?

Provide section feedback

Due: 02/25/2025, 11:59 PM EST

This assignment's due date has passed. Activity will still be recorded, but will not count towards this assignment (unless the due date is changed). See this article for more info.

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