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# Boolean and logical operations →
# Peirce arrow

📶 Hard ❓   🕐 3 minutes

In the boolean logic (not Java!), **Peirce's arrow** (also known as **NOR**) is a logical operator that produces a result that is **the negation of logical or**. This operator returns `true`, only if both arguments are `false`, otherwise, it returns `false`. But Java doesn't have this operator as built-in.

Which combination of standard Java operators has the same effect as the **Peirce's arrow**? ( `b1` and `b2` are boolean variables). Select one or more suitable cases.

If you cannot solve this task, try to google **De Morgan's laws**.

▤ Report a typo

↓ Select one or more options from the list

- [ ] !b1 && b2
- [ ] b1 || !!b2
- [ ] !b1 || b2
- [x] !b1 && !b2
- [x] !(b1 || b2)

✓ Correct.

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