



&lt; Previous



Next &gt;

Notifications



## In-Video Quiz

[🔖](#) Bookmark this page

### Q2

1/1 point (ungraded)

Consider a relation  $R(A)$  containing  $\{(5),(6)\}$  and two transactions: T1: Update R set  $A = A+1$ ; T2: Update R set  $A = 2*A$ . Suppose both transactions are submitted under the isolation and atomicity properties. Which of the following is NOT a possible final state of R?

☐  $\{(10,12)\}$ ☐  $\{(11,13)\}$ ☒  $\{(11,12)\}$ ☐  $\{(12,14)\}$ 

### Explanation

Answer 1 occurs if T1 does not complete. Answer 2 occurs if T2 precedes T1. Answer 4 occurs if T1 precedes T2. Answer 3 would require all of T2 and half of T1.

Submit

You have used 1 of 4 attempts

&lt; Previous

Next &gt;

### Pursue a verified certificate

- ✓ Earn a **verified certificate** of completion to showcase on your resumé
- ✓ Support our **mission** at edX

Upgrade for \$50

**edX**[About](#)[Affiliates](#)[edX for Business](#)

Hide Notes

## Legal

[Terms of Service & Honor Code](#)  
[Privacy Policy](#)  
[Accessibility Policy](#)  
[Trademark Policy](#)  
[Sitemap](#)

## Connect

[Blog](#)  
[Contact Us](#)  
[Help Center](#)  
[Media Kit](#)

