

## Tehtävä 5

- a) Sitä ylläpidetään, jotta voidaan toipua virhetilanteista.
- b) [start\_transaction, T1]  
[read\_item, T1, y]  
[start\_transaction, T2]  
[read\_item, T2, y]  
[start\_transaction, T3]  
[read\_item, T3, x]  
[read\_item, T2, x]  
[read\_item, T3, y]  
[write\_item, T1, y]  
[write\_item, T2, x]  
[write\_item, T3, x]