Combating Deadlocks

1. Lock timeout: abort transaction if lock cannot be acquired within timeout

   ☹ Expensive; leads to wasted work

2. Deadlock Detection:

   –keep track of Wait-for graph (e.g., via Global Snapshot algorithm), and

   –find cycles in it (e.g., periodically)

   –If find cycle, there's a deadlock => Abort one or more transactions to break cycle

   ☹ Still allows deadlocks to occur