

Serializability

Consider the following:

For each of the following histories with locking:

- Draw a serialization graph and state whether or not the history is serializable. If it is serializable, give an equivalent serial history.
- State whether or not the history follows 2PL.

50 points $H_1 = rl_1(x), r_1(x), wl_1(x), w_1(x), rl_2(y), r_2(y), ru_2(y), wl_1(y), c_2, w_1(y), wu_1(x), wu_1(y), c_1$

50 points $H_2 = wl_1(x), w_1(x), wu_1(x), rl_3(y), r_3(y), wl_2(x), w_2(x), wu_2(x), c_2, c_1, ru_3(y), c_3$

What to submit

In a **single** file, please submit your answers to all questions.

Name the file in following way: hw#-<your_username> (where # is the number of the assignment).

Submit your assignment by the due date. **There is no late submission.**