# Worksheet #27: Entry and Wait Sets

Name: _____          Netid: _____

**Consider a bounded buffer implementation using synchronized() statements as discussed in the lecture, with BUFFER_SIZE = 1. Assume that there are multiple producers (P0, P1, ...) and multiple consumers (C0, C1, …). Can you create a "livelock" scenario using only notify() and wait(), but not notifyAll()? i.e., a scenario in which threads are repeatedly inserted and removed from entry/wait sets without allowing a ready producer/consumer to make progress.**