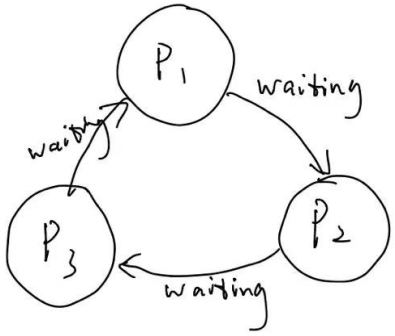
4. Deadlock is when a set of processes are blocked because each process is waiting for another resource by some other process.
For example, in the graph below, p1 is waiting for the end of p2 to start, p2 is waiting for the end of p3 to start, p3 is waiting for the end of p1 to start. In this case, the three processes face starvation.




The bad scheduling algorithm leads to starvation as well. For example, the system always gives grants to the process with the highest priority, then the process with low priority might starve. In the graph below, the priority of p1 is 1, if there are always processes with higher priorities, then p1 will starve.