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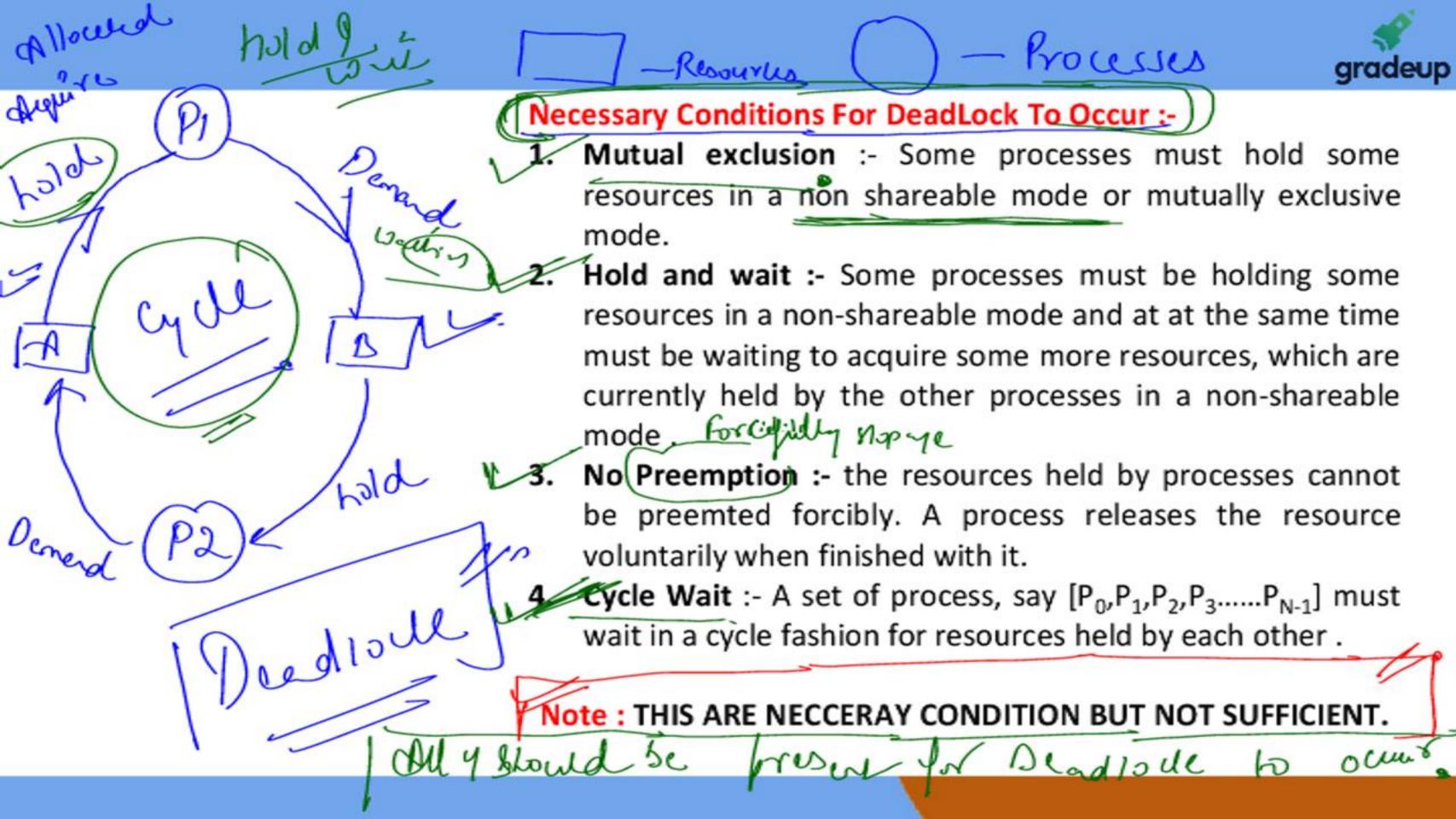
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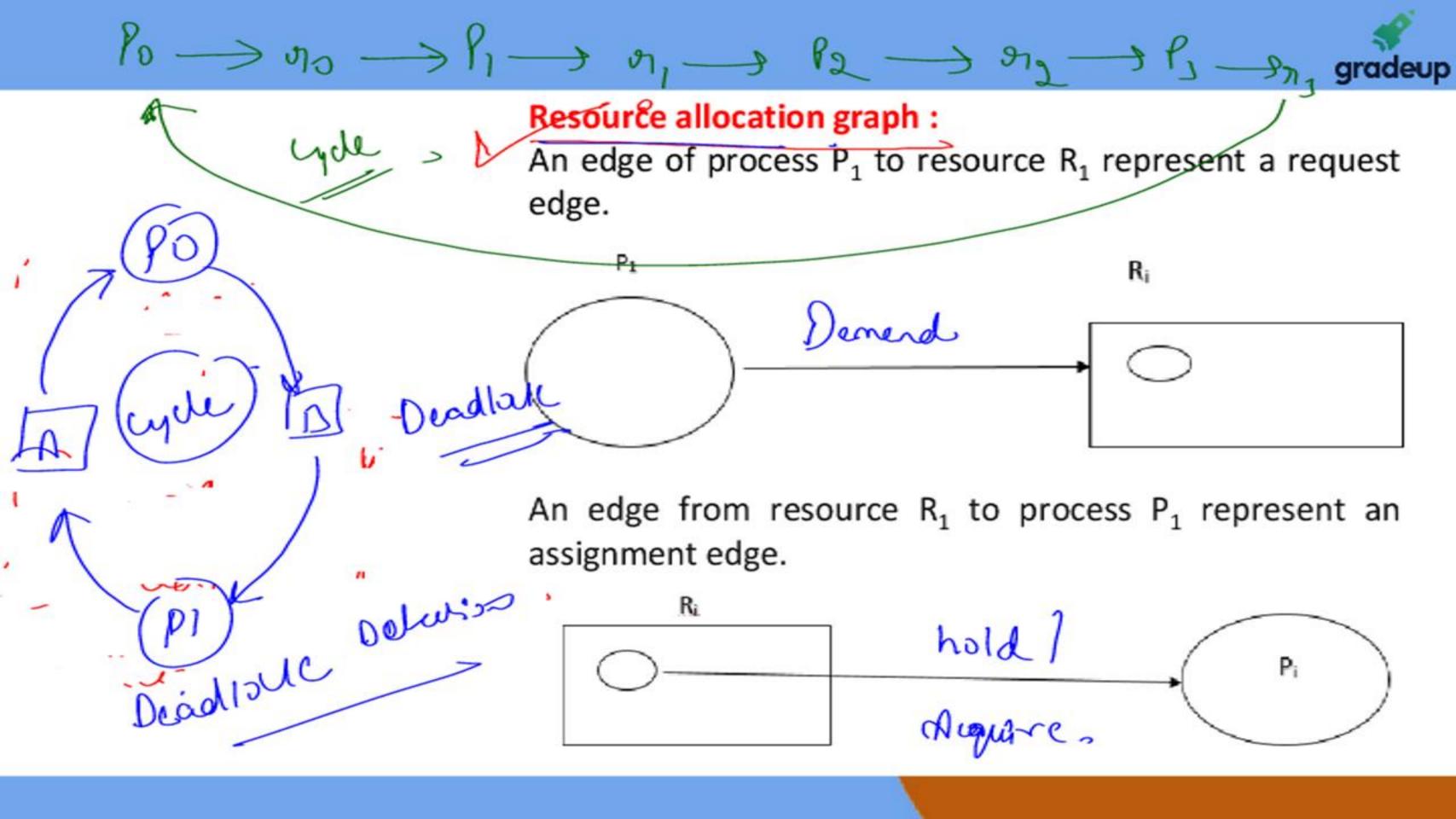
DeadLock :- It is a condition, wherein a set of processes are waiting forever for the resources held by each other. None of them is able to proceed with its execution.

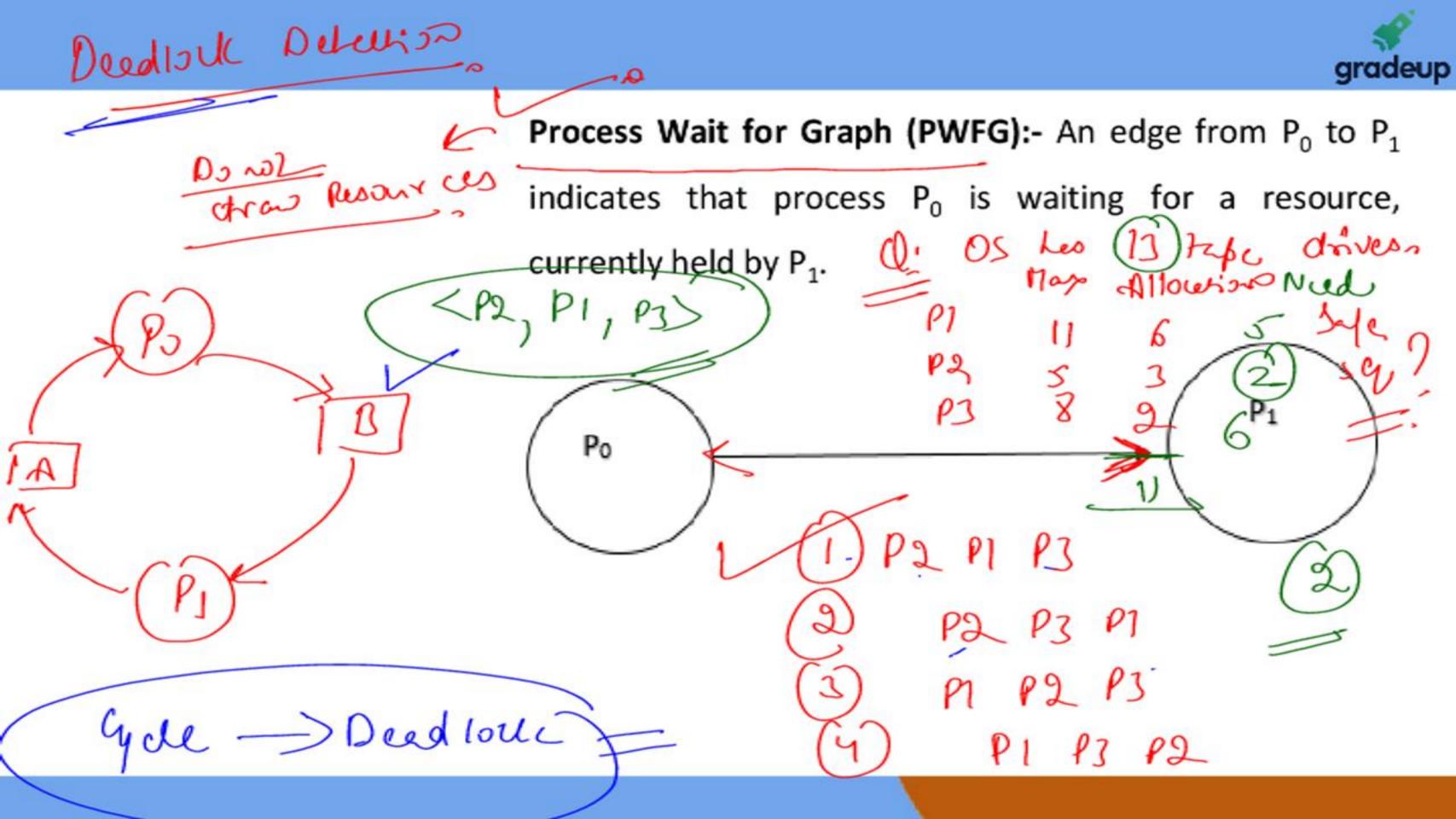
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Methods of Deadlocking Handling:-

Deadlock can be handle any of the following methods:

1. Deadlock Prevention: Deadlock can be prevented from occurring by preventing one of the necessary four conditions (i.e. mutual exclusion, hold and wait, no preemtion and cycle wait) from holding. If one of the conditions can be prevented from holding then deadlock will not occur.

Deadlock avoidance: Deadlock can be avoided by maintaining the system always in safe state. The system is said to be in safe state, if all the pending processes can be successfully executed in some sequence, while satisfying their resource requirement fully. The sequence in which pending process can be executes is called as safe sequence.

