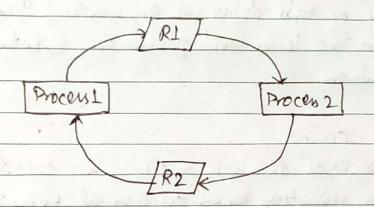
releasing the current set of resources. This solution may lead

to stamption.

Eliminate No preeption:
Deadlock asises due to the fact that a process can't be stopped once it starts. However, if we take the resource stopped once it starts. However, if we take the resource
stopped once it starts. However, If we take the resource
for away from the process
- TO NON! HEADING
The same appropriate
5 200 - 1014 6 1014 (1/1016)
then all the work which it has done till now can beco-
inconvertent:
Consider a moder is being based of process
Ha - a tox au au au
COURS OTHER PROCESS
ted can be come income
and also the last that he process con similar
again from where it has loft which causes performance
in efficiency.
TENERS OF THE PROPERTY OF THE
Eliminate circular moit:
To violate circular wait, we can assign a priority
number to each of the resource of prices can
a length priority resource. The entires the
procen can request a resource which is being utilized by
some other process & no cycle will be formed.
Summary: Condition Approach Practically possible?
V.
2. Hold and wait Requirter all resources X
3. No preemption. Snatch all resources ×
4. Circular wait resourced order them
hume in cally Scanned with Camscanner

1) Livelock

Vivelock occurs when two or more processes continually repeat the same interaction in response to changes in the other processes without doing any useful work. These processes are not in the waiting state, and they are running concurrently. This is different from a deadlock because in a deadlock, all processes are in the waiting state.



Process P1 holds resource R2 and requires R1 while Process P2 holds resource R1 and requires R2

livelock occurs when the total number of allowed processes in a specific system should be defined by the total number of entries in the process table. Therefore, process table solts should be referred to as finite resources.

Statuction and ageing

Statuction is the situation where all the low priority

processes got blocked, and the high priority processes proceed.

In any cyrlom, requests for highlow priority processes resources

keep on home happening dynamically. Thereby, some

policy is required to decide who gets the support whon.

Using some algorithms, some processes may not get the desired serviced even though they are not deadlocked. Starvation occurs when some throads make shared resources unavoilable for a long poriod of time

Ageing is a condition which is used to reduce starvation of low priority tasks. It is a process which gradually increases the priority of task depending on waiting time. It ensures that jobs in the lower level queues will eventually somplete their execution.

iv) Two phase locking

In several dotabase systems, an operation that occurs prequently is requesting locks on cereral records and then updating all the locked records. There is a real danger of seadlock whenever multiple processes are nunning at the same instance of time. The approach used is called the two-phase locking.

In first phase, the process tries to lock call the records that it needs, one at a time. And if it succeeds, then it begins the second phase performing its updates and releasing the locks. No any real work is done in first phase.

If during the first phase, some record is needed that is already locked, the process first releases all its locks and starts the first phase all over.

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	Date: / /
V	Communication deadlocic:
	Communication deadlock is a type of a distributed
	If each process in the set is writing to communicate with another process at the s in same set and no
	process ever initiates any communication until it receives communication for which it is waiting. Example:
	A communication deadlock occurs when process A is trying to send a message to process B, which is trying to
	send a message to process Cwhich is bying to send a message to process A.