11/4/18 T+ T6 T5 lock - X(A) read (A) lock - & S(B) read (B) (exclusive wock) white (A) untock (A) lock-XCAJ nead (A) ucrite (A) 10 OK - SCA) unlock (A) nead CA cascading Rollback - 4 75 fails at the end of T7, T6 rolls backs. consequently, To volls ban Strict 2PL et can look apply/ acquire lock any air growing phase. A transaction needs to. \* Rigorous 2PL - If a douta liter is locked by any transaction and the took is being held . - the commit to release the lock.

Recovery system poilule - Abnormal conditions that occur in a database. sources of failure: 1) Pouver autage Hardioare arol B reptware error a with failule 4) sabotage 17:21 Step Assembly were Disk failure RAID - series of disks connected by RAID repere has to be redundancy of enfo. ( If one copy gets destroyed, their another copy saved form remedent wordy Failules gransaction exaction erash failure Fail- stop Assumption System . togical blor