Deadlooks 305 lec 7 o deadlock mean your System is stuck and not responding. - Several processes who use resources and some of them may Wait for the reserrce: forever When modeling system resources can be, (a) Identical (5) Pre-mptible non - preemptible. (a) use a protocol to stated deadlocks each process 6) requert O use @ release, resourgec. Conditions to occur a deadlock. (4) 1 Motual explusion 1011 8 Woit condition 6) No-pre-emption Condition Circulo work Condition.

Deadlock modeling, - can be described using a directed graph. aso called System - resource - allocation graph. o Vertiges -> G (, E) bro double of Edger occu etype of vertices o processes la opposition of the same of resources, of the tell and the 2 types of edges (i) request edges @ assignment edges 3 methods of handling a decolock. @ ignore the problem and aggune no deadlock Will happen. Costrich algorithm) () use a protocol to detect deodlocks and ensure System will never reacher deadlock. (3) Allow System to enter a deadlock State and (a) deallock Prevention. o going to denide one of any deadlock Conditions Wich likely to accur a deadlock. 1. Deny mutual exclusion, (can't avoid) 2 Hold and Wort (cant avoid) - Deny ProMate