Deadlock no progress as each P is wathing for h held by other laydie) Deadlock -> No progress Starvation - Progress, But low priorty process are staying Cuculen wait Py k P3 Muhal Exclusion Deadlock Avirgina Only I process can Conditions O use a resource at atine I all conditions only then deadlock conditions > nold & wait resources and also regnes Mo pre emphon Can't forully take I want for other resources. held by other processes Resources from a process If any of these conditions are inty ro huntarily not met then deadlock cannot occur removed) Deadlock Handling Avoidance Detection Recovery

Deadlock Detection: Identifying and resolving situations where multiple the sources are waiting indefinitely for resources held by each other; tresulting in (diadluck. · To represent herourie allocation & hegrests in DS 2 herource Allocation Graphs are used. Resource Allocation Graph: "Shows state of the System" Proce 85 P -> R (Request) R ? (Mloatm) Resources -> hequest/wait [R3] Rr " agdic deadlock Possible" /predict

le source Albeation Graph

